

MEMORANDUM

TO: Frank Battaglia, Kim Tisa, Kelly Owens.

FROM: BASF

SUBJECT: Cranston RCRA Closure Project: Former Production Area Remediation

DATE: July 13, 2017

INTRODUCTION

The purpose of this memorandum is to provide the EPA and the RIDEM (the Agencies) the rationale and scope for an alternative approach to remediating the Former Production area (PPA), also known as Lot 1102, and present the characterization data to facilitate Agency review of remedy feasibility. Once the Agencies and BASF are in agreement on the remedy components, BASF will complete the design and draft remedial action work plan for Agency review in 4 to 6 weeks.

The reasons for putting forward this alternative approach include the following:

1. The main public comments to the current Statement of Basis (SOB) related to the feasibility of removing the proposed soil quantities from the property and replacing it with clean soil and the truck traffic that the project would generate on the residential streets between the property and the highway, with an elementary school along the way.
2. Based on the results of the soil IRM completed in 1995, it is apparent to BASF that the presence of subsurface infrastructure (concrete slabs and foundations) will impede if not limit BASF's ability to achieve the 10 ppm remediation goal described in the SOB.

To address these perceived important considerations, while meeting the following remedial action objectives:

- a. eliminate direct contact to impacted soil and groundwater and
- b. eliminate contaminant of concern migration: PCB in soil and groundwater, VOCs in groundwater;

BASF proposes the following remedial actions:

Soil:

1. Removal and off-site disposal, at an approved facility, all soil impacted with PCB greater than or equal to 25 ppm. Implement a TSCA approvable post-excavation verification sampling plan to verify the metric is achieved. This modification reduces off-site disposal requirements by an estimated 61%.
2. At a minimum, install an engineered cap over all areas where greater than 10 ppm remains. The cap will include a permeable geotextile barrier with vegetated soil cover. The geotextile will function as an impediment/indicator to unapproved invasive activity, and thus it needs to be of an adequate thickness. The cover will consist of, at a minimum, 2' clean soil or equivalent (e.g., crushed stone may be used in areas where 2' of soil cannot be placed due to flood storage considerations, as in Floodway Zone AE per federal regulations, to support landscaping alternatives, and as an additional engineered impediment to potential future unapproved invasive activity). Other cover elements may be considered locally, including impermeable liner material (e.g., HDPE).
3. For areas that are not capped as described in (2.), and where PCB concentrations are above 1 ppm, a RIDEM-approved soil cover will be installed, i.e., 2' clean soil or equivalent (e.g., crushed stone may be used in areas where 2' of soil cannot be placed due to flood storage considerations, as in Floodway Zone AE per federal regulations, to support landscaping alternatives, and as an additional engineered impediment to potential future unapproved invasive activity).

LESS THAN 10
PPM



4. The surface of the subject property (Lot 1102) will be landscaped and vegetated to support native upland habitat.
5. The removal and capping eliminate the need for warning signage. Therefore, no signage will be installed along the periphery of the property after implementation of the remedy.
6. At a minimum, fencing will be installed along the river reach to limit river access, e.g., as a safety precaution given the ten-foot drop between ground surface and the water. A security fence around the property is not proposed, though some form of fence demarcating the property boundary will be installed.
7. Develop and adhere to a long-term operation and maintenance plan for Agency review. ✓

Groundwater:

1. Employ ISCO and monitored natural attenuation (MNA) technologies to reduce upland groundwater VOC impacts to meet site-specific and RIDEM GB standards.
2. Employ ISCO technology (ozone reactive wall) to reduce or eliminate site-related VOC-impacted groundwater from discharging into the Pawtuxet River, in the southwest corner of the FPA. This will address all COC mobility considerations. ~ PCBs
3. While the ozone system is operating in the southwest corner of the property, estimated 3 to 5 years, it will be locally isolated with the installation of a security fence and signage.
4. Monitoring wells will be present across the property until such time as groundwater meets all regulatory metrics. Unauthorized access will be limited by flush mounting and locking, as appropriate. PCB in GW
5. Develop and adhere to an operation and maintenance plan for Agency review. ✓

RIVER SEDIMENT CAP?

ELUR:

An ELUR will be imposed on the FPA (Lot 1102) specifying, at a minimum, the following:

1. Property reuse as open space in perpetuity.
2. No residential use is allowed except as may be approved by the Department as a Recreational Facility for Public Use under the RIDEM remedial regulations.
3. No groundwater use except as required for remedy monitoring (GW is currently classified as GB).
4. Operation and maintenance of the engineering control cap and cover areas and vegetative support as per an EPA-approved O&M plan. ✓
5. Annual reporting to the RIDEM for ELUR compliance. § EPA
6. No invasive work below the capped and covered areas is allowed without implementing a RIDEM-approved soil management plan and cap integrity plan (e.g., as may be required by a utility worker).

A Site Plan which includes the location of the only known subsurface utility (a sewer force main) is presented as **Figure 1**.

Presentation

To provide necessary data for agency review this memorandum provides the following:

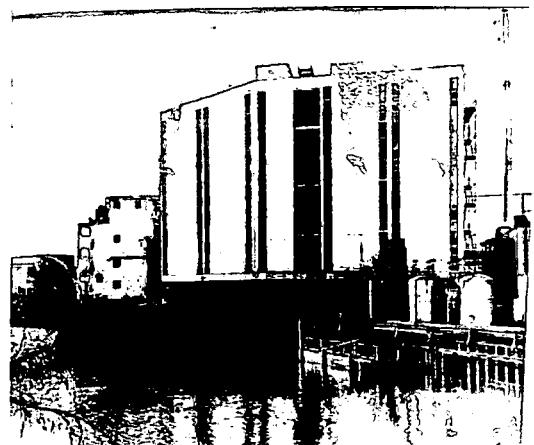
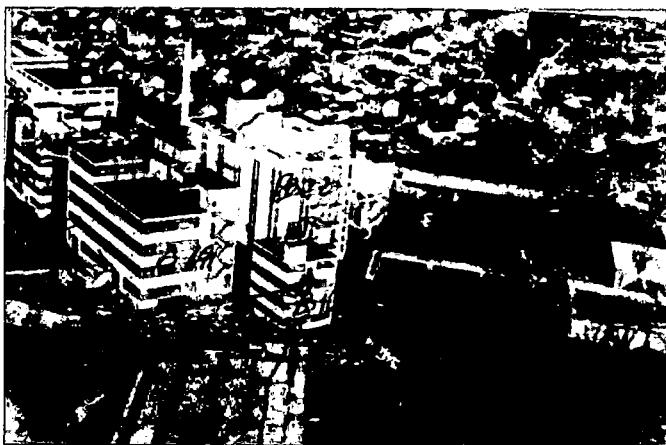
1. Site use history
2. Hydrogeology description
3. 1990 – 1994 RCRA Facility Investigation soil and groundwater PCB data summary
4. 1995 Soil Interim Remedial Measure actions and data.
5. 2010 to 2017, Remedial investigations during BASF ownership, PCB in soil and groundwater.

Information and data included in this memo sourced from the following:

- C-G 1995a: 1995 RCRA Facility Investigation (RFI) report – CIBA-Geigy
- C-G 1995b: 1995 Interim Remedial Measures (IRM) report – CIBA-Geigy
- AECOM 2016a: 2016 Supplemental Remedial Investigation (SRI) Report – BASF/AECOM
- AECOM 2016b: 2016 Corrective Measures Study (CMS) – BASF/AECOM
- EPA 2016: Statement of Basis
- AEI 2017a: 2017 Test Pitting Program – BASF/AEI
- AEI 2017b: 2017 Groundwater Sampling Program – BASF/AEI

SITE BACKGROUND AND CONDITIONS

The Alrose Chemical Company initiated chemical manufacturing on-Site in 1930. The Geigy Chemical Company of New York purchased the facility in 1954 and later merged with the Ciba Corporation in 1970. The facility was used for batch manufacturing of organic chemicals, such as plastic additives, optical brighteners, pharmaceuticals, and textile auxiliaries (from Ciba-Geigy, 1995a). The Ciba-Geigy facility ceased all chemical manufacturing operations in May 1986 when the plant was closed and in 1986 the production facility was demolished to grade, but building foundations, a rail line, subsurface utilities and a retaining wall along the adjacent river were left in place. Two historic photos (below) show the former production area buildings.



Site soils are generally comprised of medium to coarse silty sands and gravels within the top six to eight feet. Underlain are dense silts and fine silty sand lenses (ranging from 10 to 15 feet thick). Below these soils are a layer of glacial till (ranging from 5 to 10 feet thick). Bedrock has been noted at depths ranging from 30 to 90 feet below grade surface (bgs). See typical cross sections adopted from the 1995 RFI (C-G 1995a) and 2016 SRI (AECOM, 2016a) – **Figures 2A and 2B**.

Shallow and deeper groundwater flow direction is generally to the southeast toward the Pawtuxet River (see **Figures 3A through 3D**). These Figures include water table elevations (feet above mean sea level). The water table is historically reported to be at approximately 7 to 10.5 feet below the ground surface (bgs) across the Former Production Area based on water level measurements in wells, see **Figures 2A and 4**. Generally, the water table elevation has not shown any great variation due to seasonal fluctuations (<1.5 feet for shallow and <2 feet for deep groundwater [C-G 1995a]) over time (similar elevations as noted during 1995 RFI to the 2016 SRI). Site-related groundwater discharges to the Pawtuxet River, and flow is affected by a bulkhead wall (sheet piling) that extends to a depth of 25 feet bgs, where groundwater is deflected downward under the wall (and to the west) as it migrates toward the river (refer to **Figures 2A and 4**).

HISTORY OF INVESTIGATIVE AND REMEDIAL ACTIVITIES

The focus of this document is Lot 1102, also called the Former Production Area (FPA), the boundary of which is delineated on **Figure 1** and it consists of approximately 3.25 acres bounded to the west by Mill Street (beyond which are industrial properties), to the north and east by the railroad easement (Lot 2630) beyond which are former site buildings and residences, to the south and east by the Pawtuxet River. The primary focus of this document is PCBs, although other contaminants of concern (COCs), notably volatile organic compounds (VOCs), exist at elevated levels in Site-related groundwater. Numerous historic investigations and remedial efforts have been completed at the Site. The following are brief summaries of the work involved and data obtained.

1990 to 1994 RCRA Facility Investigation (RFI) [C-G 1995a]

A RFI was conducted at the Site to characterize its physical nature and contamination releases, as well as, conduct a public health and environmental risk evaluation (PHERE) to determine if Site contamination poses an unacceptable risk to public health and the environment. According to the PHERE, the target risk levels (cancer risk of 10^{-4} and Hazard Index < 1) were exceeded, and Media Protection Standards (MPSs) were developed. The MPS set for PCBs was 45 mg/kg.

Groundwater: As part of the RFI's contaminant release characterization, groundwater was evaluated in the FPA by installing and sampling monitoring wells in and hydraulically downgradient from the following Facility-specific solid waste management units (SWMUs are shown on **Figure 5**):

- SWMU-2 (MW-10S, MW-10D),
- SWMU-7 (MW-12S, MW-12D),
- SWMU-8 (MW-13S),
- SWMU-11 (MW-4S, MW-14S, MW-20S, MW-21S),
- AOC-13 (MW-1S, MW-1D, MW-2S, MW-3S, MW-22S, MW-23S, MW-24S, MW-29S, MW-29D, MW-30S, MW-30D, MW31S, MW-31D).
- One bedrock monitoring well (RW-1) is located hydraulically downgradient from AOC-13.

Table 1 presents a complete summary of the groundwater data results. In shallow groundwater (x to y feet BGS) PCBs were detected twice in one monitoring well, MW-12S screened 6' to 16' feet BGS. Aroclor 1260 was detected at 22 and 30 ug/L in MW-12S located on the northern part of the Site (**Figure 3A**). No PCBs were detected in deep overburden or bedrock wells.

Soil: Over 142 samples were collected from the shallow (less than or equal to 2 feet bgs) and deep (greater than 2 feet bgs) soils within the FPA (see **Figure 6**). The RFI sampling was conducted using split spoon sampling and/or Shelby tube sampling methods. Samples were collected in accordance with the Project QAPP - Supplement dated January 1992 and were analyzed via EPA Method 8080S. A summary of the collected PCB soil data can be found on **Table 2**. Sample locations that have been excavated and removed from the Site in subsequent IRMs (discussed below) are highlighted in the Table.

Shallow soils contained PCB Aroclors 1248, 1254, and 1260. Detected concentrations ranged from less than 1 ppm to 4,500 ppm. Most of the concentrations were below 10 ppm. The highest levels of PCBs were found near the south end of the process building area (**Figure 7**).

Deeper soils (2' to 8' bgs) contained PCB Aroclors 1254 and 1260. Detected concentrations ranged from 0.054 ppm to an 13 ppm (estimated value). Most concentrations were below 5 ppm (See **Figure 8**).

1995 Interim Remedial Measure (IRM) [C-G 1995b]

Based on the RFI data an IRM was developed and completed in 1995 to address elevated levels of PCBs present in surface soil (less than 2 feet bgs) at the FPA (C-G 1995b). Shallow soil containing total PCB concentrations greater than 45 ppm were removed in four phases from five Sub-Areas (labeled A thru E). Former building foundations and subsurface structures were left in place. Clean fill was used to restore the Site to grade. Over 146 soil samples were collected and analyzed for total PCBs. The IRM sampling methodology was in accordance with "Field Manual for Grid Sampling of PCB Spill Sites to Verify Cleanup" (EPA-560/5-86-017). 37 post ex samples were collected since >400 square feet of area. Sampling locations were distributed in a hexagonal pattern. Samples were analyzed for seven PCB Aroclor species. Samples were collected from sidewalls and bottom of excavations (grab samples). Compliance was based upon a summation of the four PCB Aroclor species analyzed (1242, 1248, 1254, and 1260). **Figures 9 thru 12** show the results of post excavation soil samples. A summary of the PCB analytical results by excavation phase is presented in **Table 3**. Samples that were excavated as part of the IRM are highlighted.

2011 to 2015 Supplemental Remedial Investigation (SRI) – Soil [AECOM 2016a]

The SRI evaluated PCB soil contamination in three additional phases of work. The first two phases included 29 boring locations, which were advanced to 6 feet bgs and sampled for PCBs (samples designated as "SB"). The third phase involved the advancement of multiple borings in a 20-foot-center grid pattern throughout the FPA to a depth of 6 feet bgs. Samples were collected in specific intervals (0-0.5, 1-2, 2-4 and 4-6 feet) for analysis of PCBs via EPA Method 8082/3540.

PCBs concentrations ranged from non-detect to above 103 ppm. **Figure 13** shows the lateral and vertical delineation of PCB concentrations. Overall, 335 data points are included in the SRI data set. 13 samples were >50 ppm (4%), 21 samples were >25 but <50 ppm (6%), 301 samples were <25 ppm (90%), 256 samples were <10 ppm (76%) and 45 samples were >10 ppm but <25 ppm (13%). **Table 4** presents a summary of the PCB data.

2017 Sub-Surface Soil Investigation – Test Pitting

To supplement the SRI PCB data, and provide a final definition of soils which exhibited relatively high PCB impacts at depth, a test pitting program was conducted in the Spring of 2017. Twelve test pits were proposed, but only ten were completed due to time constraints (TP-1 and TP-11 weren't completed). The ten test pit locations were advanced until refusal (**Figure 14**) of which six were designated for sampling (TP-2, TP-4, TP-5, TP-6, TP-7 and TP-12). Six of the test pits were located where PCBs were previously detected at concentrations greater than 50 ppm at the bottom of exploration. The previous bottom sample concentrations were all less than 75 ppm with the exception of the area of TP-5. In the area of TP-5, a concentration of 4,500 ppm had been detected at a depth of 0-2 feet bgs in sample B13045 prior to the IRM excavations in 1995, and a concentration of 790 ppm was detected in post-excavation sample CFB68B at 2 ft bgs. Some of the test pits we dug in clean areas to avoid generation of additional contaminated soils with the following purposes: 1) two test pits were proposed to be completed in the Floodway (of which only 1 was completed, TP-10), where PCBs will be removed down to <1 ppm, to confirm conditions prior to excavation; 2) two test pits were completed in Zone AE (TP-8 and 9), which may have to be stripped of the top 1 ft of soils (to accommodate 2 ft of clean fill without exceeded 1 ft limit), so the purpose of these test pits was to determine the depth to the concrete slabs in this area; and 3) one test pit was completed in area of the existing soil cap (TP-3) to confirm the presence of two feet of clean fill. Subsurface structures (remaining foundations) limited the excavation depths in most locations. The following table and **Figure 14** provides a summary of the test pit plan, depths, subsurface observations and depths of samples collected.

Test Pit Identification	Planned Test Pit Sample Depth(s) (feet)	Actual Test Pit Depth (feet)	Notes
TP-2	6 to 8 and 8-10	6	Refusal at 6 feet below grade due to large concrete debris with rebar. No sample taken.
TP-3	None	2.5	Concrete foundation wall encountered 15-18 inches bgs; concrete slab encountered at 2.5 ft bgs adjacent to wall. No sample taken
TP-4	2-4 and 4-6	1.5	Concrete sub-slab encountered 18 inches below grade. No sample taken
TP-5	2 to 6	6	Three soil samples collected at intervals 2-2.5, 3.5-4 and 5.5-6. water-saturated soil encountered at 3.5 feet below grade.
TP-6	3.5-4, 4-6 and 6-8	4	One soil sample collected at interval 3.5-4. Refusal at 4 feet below grade due to large concrete blocks. No sample taken.
TP-7	6-8 and 8-10	2.7	Encountered concrete sub-slab at 32 inches below grade. No sample taken.
TP-8	None	7	Encountered large foundation wall (more than 4 feet in depth) at about 3 feet below grade. No sample taken.
TP-9	None	4	Encountered asphalt and concrete at about 2 feet below grade. Groundwater was

			encountered at 4 feet below grade. No sample taken.
TP-10	None	3	Encountered asphalt and concrete about 6 inches below grade. No sample taken.
TP-12	6-8 and 8-10	4	Encountered large concrete foundation and sub-slabs at approximately 4 feet below grade (refusal). No sample taken.

The sample results below are for the two test pits that target sample depths were achieved.

The sample results for TP-5 showed the following:

- 2 - 2.5 foot depth interval, **118,000 mg/kg total PCBs.**
- 3.5 – 4.0 foot depth interval, **15,500 mg/kg total PCBs.**
- 5.5 – 6 foot depth interval, **13.7 mg/kg total PCBs.**

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The sample results for TP-6 (former G280 boring location) showed the following:

- 3.5-4.0 foot depth interval, **25.6 mg/kg total PCBs.** This concentration is less than the concentration detected at the 1-2 ft bgs interval at G280 (72.3 ppm total PCBs).

A summary of analytical results can be found in **Table 5**. As discussed below, it is noted that the location of TP-5 is approximately 25 feet from the only monitoring well cluster (MP-3S/I) which was found to contain PCBs in groundwater at a concentration greater than the EPA Maximum Contaminant Level (MCL) of 0.5 ug/L, and was also in the area of soil sample B13045 which had 4,500 ppm at 0-2 ft.

2011 to 2015 Supplemental Remedial Investigation (SRI) – Groundwater

Eleven existing monitoring wells were sampled in June 2013 for PCBs via EPA Method 8082 (see **Figure 15** for well location and **Table 6** for data summary). Groundwater analytical results indicated PCBs were detected above the EPA MCL of 0.5 ug/L in a well couplet: MP-3I (screened at 18-22 feet below grade surface [bgs]) and MP-3S (screened at 5-13 feet bgs). MP-3I contained 9 ug/L of total PCBs, while MP-3S contained a total PCB concentration of 14 ug/L. This well couplet is located in the vicinity of an area historically known to contain high levels of PCBs in shallow soil. PCBs were not detected in groundwater in other parts of the upland portion of the property or in wells adjacent to the river.

2017 Groundwater Sampling

Samples were collected from twelve existing groundwater monitoring wells (MW-12S, MW-2S, MW-302D, MW-31D, MW-31S, MP-3I, MP-3S, MW-102D, MW-102S, MW-302S, MW-34D, and MW-34S) for analysis of PCB Aroclors. Five of the 12 wells were also sampled for PCB congeners. Three of these wells (MW-2S, MP-3S, and MP-3I) were selected due to their location near TP-5 where high concentrations of PCBs were detected in shallow soil.

PCB Aroclors were detected in only 1 of the 12 monitoring wells sampled at a concentration greater than the EPA MCL of 0.5 µg/L. The sole exception was well MP-3S, which exhibited 9 µg/L. However, a deeper well in this same location (MP-3I) had only 0.33 µg/L.

PCB Congeners were detected in each of the five wells sampled, but were detected in only 2 of the monitoring wells at a concentration greater than the EPA MCL of 0.5 µg/L. A summation of the separate PCB congener results showed the totals ranged from 130 to 6,968 nanograms per liter (ng/L). The highest PCB Congener concentrations were observed in shallow and intermediate wells MP-3S and MP-3I (6,968 ng/L and 2,421 ng/L, respectively). These wells are located at the southwest corner of the Site. The lowest concentration of PCB congeners was observed in MW-12S (130.5 ng/L), which is located at the north side of the Site. A summary of all the groundwater PCB data can be found on **Table 7**.

Figure 15 illustrates the PCB Aroclor and Congener data for each well sampled. Data from the 2013 SRI, where available for the sampled well, is also shown for comparison. Similar to the RFI/SRI data, no wells adjacent or

within the river indicated elevated concentrations of PCBs. One detection of PCBs above the EPA MCL was observed in shallow monitoring well MP-3S (9 ug/L total aroclors; 6.97 total congeners) and one detection of PCBs above the MCL was observed in the intermediate depth monitoring well MP-3I (0.33 ug/L total aroclors; 2.42 ug/L total congeners). Monitoring well MP-3S is screened in the upper fill layer, which is a 2-8 foot thick silty medium to fine sand layer as detailed by the Corrective Measures Report and illustrated in the SRI figure noted above. Considering the results of the recent PCB soil sampling at TP-5 located in the vicinity of MP-3S which detected elevated PCB concentrations in this fill layer, observations of elevated PCB concentrations in the shallow groundwater are not unexpected.

Given the site wide groundwater data from 2013 and 2017, the following conclusions are drawn relative to PCB occurrence and fate:

1. PCB in groundwater is isolated to an area with the uniquely high PCB levels in soil.
2. Groundwater impact is limited in depth to the shallow groundwater, where vertical migration is limited by low vertical conductivity aquifer materials.
3. PCB is not observed in wells along and below the river boundary, which shows that significant transport is not occurring (i.e., PCBs are not mobile in groundwater).
4. The area associated with TP5 and MP-3S is coincident with the ozone reactive barrier to be installed and operated to address VOC occurrence and transport (see Figure 20). In addition to the target VOCs, ozone will address any PCB that happens to be comingled.
5. The area in and around TP5 will be excavated to remove, at a minimum, PCB impact > 25ppm, with post-excavation verification sampling according TSCA rules. Thus, the soil remedy will eliminate any ongoing impact to groundwater.

PCB Soil Statistical Evaluation

The purpose of the statistical analyses presented below is to determine the mean PCB concentration in soils on the Site before and after the completion of the planned remedial action presented above. As previously mentioned, the Site has undergone several rounds of characterization for PCBs in both soil and groundwater (1990-1995 RFI [C-G 1995a], 2011-2014 SRI [AECOM 2016a], and 2017 PDI [AEI 2017]) and a 1995 IRM [C-G 1995b], including post-excavation sampling, to remove shallow PCB-impacted soils. In order to complete a statistical analysis, AEI has compiled all data for the in-place soils on the FPA from 0 to 2' bgs assuming that the IRM soil covers are not present (i.e., post-excavation soil samples up to 2 ft below the IRM soil covers are included in the data set). Overall, 464 samples were collected. 401 samples (86%), have PCB concentrations below 25 ppm and 75% have concentrations less than 10 ppm. Only 21 samples (4.5%) contained PCB concentrations in excess of 50 ppm. It should be noted that for the statistical analyses conducted below, for borings with multiple samples, only the highest concentration detected was used to represent those data points. The PCB impacts based on the soil samples collected and analyzed appear to be related to spills or operational activities at Buildings 16, 19, and 17, as well as potentially with a supply line or disposal line related to Building 11 operations or possibly from soil movement post-decommissioning of the plant. See Figures 16 through 19 for illustrations and tabulated cross sections of PCB data.

Given these data, the 95% upper confidence limit (UCL) of the mean PCB concentration is calculated for three scenarios: 1) the data set with no soil removal; 2) the data set with no soil removal except for the unique area in and around TP5 in the SW corner of the property which will be addressed comprehensively through a combination of excavation and ISCO; and 3) the data set after future excavation of soils with >25 ppm PCBs. Figure 21 illustrates the excavation areas and depths as well as the area to be capped. The calculated UCLs from ProUCL for each of these scenarios is shown in the following table, all UCLs are total PCBs in mg/kg. As shown in this table, the post-remedy 95% UCL will meet the goal of 10 mg/kg of after removal of total PCBs at concentrations greater than 25 mg/kg.

1) Existing data with no soil removal	1.9E+03	95% KM (Chebyshev) UCL
2) Existing data after TP-5 area removal	2.5E+01	95% KM (Chebyshev) UCL
3) Data set after removal of >25 ppm soils	5.4E+00	95% Approximate Gamma UCL

Details of the statistical calculations are presented in Attachment A.

CONCLUSIONS

This presentation supports the following conclusions:

1. The alternative remedial action addresses the concerns voiced by the public, supports technical certainty, and achieves sustainability metrics (lower carbon footprint, minimizes transportation risk, saves landfill space, etc.). The alternative reduces the transportation and disposal components by approximately 61%.
2. The alternative remedial action addresses two key remediation metrics: elimination of direct contact to site COCs and elimination of COC mobility.
3. The various soil and groundwater sampling and characterization field programs that have been implemented over the years [RFI/IRM (1990 – 1995), SRI (2011 to 2016), PDI (2017)] provide consistent data as they overlap. That is, the data collected over time has provided a refinement to the CSM, as opposed to substantive alterations.
4. The one area where PCBs were detected in groundwater is associated with an area of unique character. This area will be addressed through a combination of soil excavation and ISCO groundwater treatment.
5. After removal of PCB-impacted soil in excess of 25 ppm, the remaining 95% UCL is below the 10 ppm metric that supports the proposed ELUR.

BASF welcomes further discussion of this approach. Once the Agencies and BASF are in agreement on the remedy components, BASF will complete the design and draft remedial action work plan for Agency review in 4 to 6 weeks.

ATTACHMENTS

ATTACHMENT A

Table 1.

**Summary of UCL Statistics for PCB Data Set with No Removal
AEI-BASF**

User Selected Options	
Date/Time of Computation	ProUCL 5.17/11/2017 9:56:42 AM
From File	FCR_03_Max_Loc_wND_a.xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000
PCB	
General Statistics	
Total Number of Observations	344
Number of Detects	340
Number of Distinct Detects	308
Minimum Detect	0.0248
Maximum Detect	118000
Variance Detects	40945214
Mean Detects	361.4
Median Detects	3.42
Skewness Detects	18.44
Mean of Logged Detects	0.981
Number of Distinct Observations	312
Number of Non-Detects	4
Number of Distinct Non-Detects	4
Minimum Non-Detect	0.017
Maximum Non-Detect	0.55
Percent Non-Detects	1.163%
SD Detects	6399
CV Detects	17.71
Kurtosis Detects	340
SD of Logged Detects	2.284
Normal GOF Test on Detects Only	
Shapiro Wilk Test Statistic	0.0559
5% Shapiro Wilk P Value	0
Lilliefors Test Statistic	0.507
5% Lilliefors Critical Value	0.0484
Normal GOF Test on Detected Observations Only	
Detected Data Not Normal at 5% Significance Level	
Lilliefors GOF Test	
Detected Data Not Normal at 5% Significance Level	
Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs	
KM Mean	357.2
KM SD	6352
95% KM (t) UCL	922.9
95% KM (z) UCL	921.3
90% KM Chebyshev UCL	1386
97.5% KM Chebyshev UCL	2499
KM Standard Error of Mean	343
95% KM (BCA) UCL	1043
95% KM (Percentile Bootstrap) UCL	1042
95% KM Bootstrap t UCL	113898
95% KM Chebyshev UCL	1852
99% KM Chebyshev UCL	3770
Gamma GOF Tests on Detected Observations Only	
A-D Test Statistic	2.941E+28
5% A-D Critical Value	0.965
K-S Test Statistic	0.358
5% K-S Critical Value	0.0556
Anderson-Darling GOF Test	
Detected Data Not Gamma Distributed at 5% Significance Level	
Kolmogorov-Smirnov GOF	
Detected Data Not Gamma Distributed at 5% Significance Level	
Detected Data Not Gamma Distributed at 5% Significance Level	

Table 1.

Summary of UCL Statistics for PCB Data Set with No Removal
AEI-BASF

Gamma Statistics on Detected Data Only

k hat (MLE)	0.156	k star (bias corrected MLE)	0.156
Theta hat (MLE)	2321	Theta star (bias corrected MLE)	2312
nu hat (MLE)	105.9	nu star (bias corrected)	106.3
Mean (detects)	361.4		

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)

For such situations, GROS method may yield incorrect values of UCLs and BTVs

This is especially true when the sample size is small.

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	357.2
Maximum	118000	Median	3.32
SD	6362	CV	17.81
k hat (MLE)	0.154	k star (bias corrected MLE)	0.155
Theta hat (MLE)	2315	Theta star (bias corrected MLE)	2306
nu hat (MLE)	106.1	nu star (bias corrected)	106.5
Adjusted Level of Significance (β)	0.0493		
Approximate Chi Square Value (106.54, α)	83.72	Adjusted Chi Square Value (106.54, β)	83.63
95% Gamma Approximate UCL (use when n>=50)	454.5	95% Gamma Adjusted UCL (use when n<50)	455

Estimates of Gamma Parameters using KM Estimates

Mean (KM)	357.2	SD (KM)	6352
Variance (KM)	40351581	SE of Mean (KM)	343
k hat (KM)	0.00316	k star (KM)	0.00507
nu hat (KM)	2.175	nu star (KM)	3.489
theta hat (KM)	112979	theta star (KM)	70422
80% gamma percentile (KM)	3.096E-15	90% gamma percentile (KM)	3.7730E-5
95% gamma percentile (KM)	1.609	99% gamma percentile (KM)	5942

Gamma Kaplan-Meier (KM) Statistics

Approximate Chi Square Value (3.49, α)	0.531	Adjusted Chi Square Value (3.49, β)	0.527
95% Gamma Approximate KM-UCL (use when n>=50)	2347	95% Gamma Adjusted KM-UCL (use when n<50)	2366

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Approximate Test Statistic	0.956	Shapiro Wilk GOF Test
5% Shapiro Wilk P Value	1.1085E-9	Detected Data Not Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.0546	Lilliefors GOF Test
5% Lilliefors Critical Value	0.0484	Detected Data Not Lognormal at 5% Significance Level
Detected Data Not Lognormal at 5% Significance Level		

Table 1.

**Summary of UCL Statistics for PCB Data Set with No Removal
AEI-BASF**

Lognormal ROS Statistics Using Imputed Non-Detects	
Mean in Original Scale	357.2
SD in Original Scale	6362
95% t UCL (assumes normality of ROS data)	922.9
95% BCA Bootstrap UCL	1726
95% H-UCL (Log ROS)	59.61
Mean in Log Scale	0.925
SD in Log Scale	2.335
95% Percentile Bootstrap UCL	1043
95% Bootstrap t UCL	113891

Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution			
KM Mean (logged)	0.93	KM Geo Mean	2.535
KM SD (logged)	2.318	95% Critical H Value.(KM-Log)	3.441
KM Standard Error of Mean (logged)	0.125	95% H-UCL (KM -Log)	57.29
KM SD (logged)	2.318	95% Critical H Value (KM-Log)	3.441
KM Standard Error of Mean (logged)	0.125		

DL/2 Statistics			
DL/2 Normal		DL/2 Log-Transformed	
Mean in Original Scale	357.2	Mean in Log Scale	0.93
SD in Original Scale	6362	SD in Log Scale	2.325
95% t UCL (Assumes normality)	922.9	95% H-Stat UCL	58.28

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics		
Data do not follow a Discernible Distribution at 5% Significance Level		

Suggested UCL to Use		
95% KM (Chebyshev) UCL	1.9E+03	

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

Recommendations are based upon data size, data distribution, and skewness.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).

However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

Table 2.

Summary of UCL Statistics for PCB Data Set with TP-5 Removed
AEI-BASF

User Selected Options					
Date/Time of Computation	ProUCL 5.17/13/2017 2:36:43 PM				
From File	FCR_03_Max_Loc_wND_3jm_b.xls				
Full Precision	OFF				
Confidence Coefficient	95%				
Number of Bootstrap Operations	2000				
PCB					
General Statistics					
Total Number of Observations	343	Number of Distinct Observations	311		
Number of Detects	339	Number of Non-Detects	4		
Number of Distinct Detects	307	Number of Distinct Non-Detects	4		
Minimum Detect	0.0248	Minimum Non-Detect	0.017		
Maximum Detect	790	Maximum Non-Detect	0.55		
Variance Detects	2235	Percent Non-Detects	1.166%		
Mean Detects	14.34	SD Detects	47.27		
Median Detects	3.39	CV Detects	3.296		
Skewness Detects	13.53	Kurtosis Detects	216.7		
Mean of Logged Detects	0.95	SD of Logged Detects	2.212		
Normal GOF Test on Detects Only					
Shapiro Wilk Test Statistic	0.279	Normal GOF Test on Detected Observations Only			
5% Shapiro Wilk P Value	0	Detected Data Not Normal at 5% Significance Level			
Lilliefors Test Statistic	0.381	Lilliefors GOF Test			
5% Lilliefors Critical Value	0.0485	Detected Data Not Normal at 5% Significance Level			
Detected Data Not Normal at 5% Significance Level					
Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs					
KM Mean	14.18	KM Standard Error of Mean	2.539		
KM SD	46.95	95% KM (BCA) UCL	18.84		
95% KM (t) UCL	18.36	95% KM (Percentile Bootstrap) UCL	18.84		
95% KM (z) UCL	18.35	95% KM Bootstrap t UCL	23.47		
90% KM Chebyshev UCL	21.79	95% KM Chebyshev UCL	25.24		
97.5% KM Chebyshev UCL	30.03	99% KM Chebyshev UCL	39.44		
Gamma GOF Tests on Detected Observations Only					
A-D Test Statistic	3.372	Anderson-Darling GOF Test			
5% A-D Critical Value	0.85	Detected Data Not Gamma Distributed at 5% Significance Level			
K-S Test Statistic	0.0769	Kolmogorov-Smirnov GOF			
5% K-S Critical Value	0.0531	Detected Data Not Gamma Distributed at 5% Significance Level			
Detected Data Not Gamma Distributed at 5% Significance Level					
Gamma Statistics on Detected Data Only					

Table 2.

Summary of UCL Statistics for PCB Data Set with TP-5 Removed
AEI-BASF

k hat (MLE)	0.386	k star (bias corrected MLE)	0.385
Theta hat (MLE)	37.14	Theta star (bias corrected MLE)	37.28
nu hat (MLE)	261.8	nu star (bias corrected)	260.8
Mean (detects)	14.34		

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)

For such situations, GROS method may yield incorrect values of UCLs and BTVs

This is especially true when the sample size is small.

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	14.18
Maximum	790	Median	3.31
SD	47.02	CV	3.317
k hat (MLE)	0.376	k star (bias corrected MLE)	0.375
Theta hat (MLE)	37.69	Theta star (bias corrected MLE)	37.82
nu hat (MLE)	258	nu star (bias corrected)	257.1
Adjusted Level of Significance (β)	0.0493		
Approximate Chi Square Value (257.12, α)	221	Adjusted Chi Square Value (257.12, β)	220.9
95% Gamma Approximate UCL (use when n>=50)	16.49	95% Gamma Adjusted UCL (use when n<50)	16.5

Estimates of Gamma Parameters using KM Estimates

Mean (KM)	14.18	SD (KM)	46.95
Variance (KM)	2205	SE of Mean (KM)	2.539
k hat (KM)	0.0912	k star (KM)	0.0923
nu hat (KM)	62.54	nu star (KM)	63.32
theta hat (KM)	155.5	theta star (KM)	153.6
80% gamma percentile (KM)	8.702	90% gamma percentile (KM)	36.4
95% gamma percentile (KM)	82.56	99% gamma percentile (KM)	234.3

Gamma Kaplan-Meier (KM) Statistics

Approximate Chi Square Value (63.32, α)	46.02	Adjusted Chi Square Value (63.32, β)	45.95
95% Gamma Approximate KM-UCL (use when n>=50)	19.51	95% Gamma Adjusted KM-UCL (use when n<50)	19.53

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Approximate Test Statistic	0.944	Shapiro Wilk GOF Test
5% Shapiro Wilk P Value	1.110E-16	Detected Data Not Lognormal at 5% Significance Level
Lilliefors Test Statistic	0.0631	Lilliefors GOF Test
5% Lilliefors Critical Value	0.0485	Detected Data Not Lognormal at 5% Significance Level
Detected Data Not Lognormal at 5% Significance Level		

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	14.18	Mean in Log Scale	0.895
SD in Original Scale	47.02	SD in Log Scale	2.262

Table 2.

Summary of UCL Statistics for PCB Data Set with TP-5 Removed
AEI-BASF

95% t UCL (assumes normality of ROS data)	18.36	95% Percentile Bootstrap UCL	18.66
95% BCA Bootstrap UCL	21.25	95% Bootstrap t UCL	23.25
95% H-UCL (Log ROS)	47.8		

Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution

KM Mean (logged)	0.899	KM Geo Mean	2.456
KM SD (logged)	2.248	95% Critical H Value (KM-Log)	3.367
KM Standard Error of Mean (logged)	0.122	95% H-UCL (KM -Log)	46.25
KM SD (logged)	2.248	95% Critical H Value (KM-Log)	3.367
KM Standard Error of Mean (logged)	0.122		

DL/2 Statistics

DL/2 Normal	DL/2 Log-Transformed
Mean in Original Scale	14.18
SD in Original Scale	47.02
95% t UCL (Assumes normality)	18.36

DL/2 is not a recommended method, provided for comparisons and historical reasons

Nonparametric Distribution Free UCL Statistics

Data do not follow a Discernible Distribution at 5% Significance Level

Suggested UCL to Use

95% KM (Chebyshev) UCL 2.5E+01

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

Recommendations are based upon data size, data distribution, and skewness.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006). However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

Table 3.

**Summary of UCL Statistics for PCB Data Set after >25 ppm Soil Removal
AEI-BASF**

User Selected Options	
Date/Time of Computation	ProUCL 5.17/13/2017 2:37:01 PM
From File	FCR_03_Max_Loc_wND_3jm_f.xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000
PCB	
General Statistics	
Total Number of Observations	285
Number of Detects	281
Number of Distinct Detects	251
Minimum Detect	0.0248
Maximum Detect	24.8
Variance Detects	38.42
Mean Detects	4.817
Median Detects	2.05
Skewness Detects	1.59
Mean of Logged Detects	0.361
Number of Distinct Observations	255
Number of Non-Detects	4
Number of Distinct Non-Detects	4
Minimum Non-Detect	0.017
Maximum Non-Detect	0.55
Percent Non-Detects	1.404%
SD Detects	6.199
CV Detects	1.287
Kurtosis Detects	1.648
SD of Logged Detects	1.952
Normal GOF Test on Detects Only	
Shapiro Wilk Test Statistic	0.745
5% Shapiro Wilk P Value	0
Lilliefors Test Statistic	0.22
5% Lilliefors Critical Value	0.0533
Normal GOF Test on Detected Observations Only	
	Detected Data Not Normal at 5% Significance Level
	Lilliefors GOF Test
	Detected Data Not Normal at 5% Significance Level
Detected Data Not Normal at 5% Significance Level	
Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs	
KM Mean	4.751
KM SD	6.169
95% KM (t) UCL	5.355
95% KM (z) UCL	5.353
90% KM Chebyshev UCL	5.849
97.5% KM Chebyshev UCL	7.037
KM Standard Error of Mean	0.366
95% KM (BCA) UCL	5.383
95% KM (Percentile Bootstrap) UCL	5.344
95% KM Bootstrap t UCL	5.411
95% KM Chebyshev UCL	6.346
99% KM Chebyshev UCL	8.393
Gamma GOF Tests on Detected Observations Only	
A-D Test Statistic	1.475
5% A-D Critical Value	0.819
K-S Test Statistic	0.0524
5% K-S Critical Value	0.0573
Anderson-Darling GOF Test	
	Detected Data Not Gamma Distributed at 5% Significance Level
	Kolmogorov-Smirnov GOF
	Detected data appear Gamma Distributed at 5% Significance Level
Detected data follow Appr. Gamma Distribution at 5% Significance Level	
Gamma Statistics on Detected Data Only	
k hat (MLE)	0.521
Theta hat (MLE)	9.243
nu hat (MLE)	292.9
Mean (detects)	4.817
k star (bias corrected MLE)	0.518
Theta star (bias corrected MLE)	9.3
nu star (bias corrected)	291.1

Table 3.

**Summary of UCL Statistics for PCB Data Set after >25 ppm Soil Removal
AEI-BASF**

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)

For such situations, GROS method may yield incorrect values of UCLs and BTVs

This is especially true when the sample size is small.

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.0248	Mean	4.754
Maximum	24.8	Median	1.96
SD	6.178	CV	1.299
k hat (MLE)	0.518	k star (bias corrected MLE)	0.515
Theta hat (MLE)	9.179	Theta star (bias corrected MLE)	9.234
nu hat (MLE)	295.2	nu star (bias corrected)	293.4
Adjusted Level of Significance (β)	0.0492		
Approximate Chi Square Value (293.45, α)	254.8	Adjusted Chi Square Value (293.45, β)	254.6
95% Gamma Approximate UCL (use when n>=50)	5.476	95% Gamma Adjusted UCL (use when n<50)	5.48

Estimates of Gamma Parameters using KM Estimates

Mean (KM)	4.751	SD (KM)	6.169
Variance (KM)	38.06	SE of Mean (KM)	0.366
k hat (KM)	0.593	k star (KM)	0.589
nu hat (KM)	338	nu star (KM)	335.8
theta hat (KM)	8.012	theta star (KM)	8.065
80% gamma percentile (KM)	7.831	90% gamma percentile (KM)	12.41
95% gamma percentile (KM)	17.21	99% gamma percentile (KM)	28.84

Gamma Kaplan-Meier (KM) Statistics

Approximate Chi Square Value (335.76, α)	294.3	Adjusted Chi Square Value (335.76, β)	294.1
95% Gamma Approximate KM-UCL (use when n>=50)	5.42	95% Gamma Adjusted KM-UCL (use when n<50)	5.423

Lognormal GOF Test on Detected Observations Only

Shapiro Wilk Approximate Test Statistic		0.911	Shapiro Wilk GOF Test	
5% Shapiro Wilk P Value	0		Detected Data Not Lognormal at 5% Significance Level	
Lilliefors Test Statistic	0.0758		Lilliefors GOF Test	
5% Lilliefors Critical Value	0.0533		Detected Data Not Lognormal at 5% Significance Level	
Detected Data Not Lognormal at 5% Significance Level				

Lognormal ROS Statistics Using Imputed Non-Detects

Mean in Original Scale	4.751	Mean in Log Scale	0.306
SD in Original Scale	6.18	SD in Log Scale	1.999
95% t UCL (assumes normality of ROS data)	5.355	95% Percentile Bootstrap UCL	5.383
95% BCA Bootstrap UCL	5.432	95% Bootstrap t UCL	5.38
95% H-UCL (Log ROS)	14.53		

Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution

KM Mean (logged)	0.308	KM Geo Mean	1.361
KM SD (logged)	1.988	95% Critical H Value (KM-Log)	3.117
KM Standard Error of Mean (logged)	0.118	95% H-UCL (KM -Log)	14.19
KM SD (logged)	1.988	95% Critical H Value (KM-Log)	3.117
KM Standard Error of Mean (logged)	0.118		

Table 3.

**Summary of UCL Statistics for PCB Data Set after >25 ppm Soil Removal
AEI-BASF**

DL/2 Statistics	
DL/2 Normal	DL/2 Log-Transformed
Mean in Original Scale	4.751
SD in Original Scale	6.18
95% t UCL (Assumes normality)	5.355
DL/2 is not a recommended method, provided for comparisons and historical reasons	

Nonparametric Distribution Free UCL Statistics

Detected Data appear Approximate Gamma Distributed at 5% Significance Level

Suggested UCL to Use

95% KM Approximate Gamma UCL 5.4E+00

When a data set follows an approximate (e.g., normal) distribution passing one of the GOF test

When applicable, it is suggested to use a UCL based upon a distribution (e.g., gamma) passing both GOF tests in ProUCL

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.

Recommendations are based upon data size, data distribution, and skewness.

These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006). However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

FIGURES

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FIGURE 2A

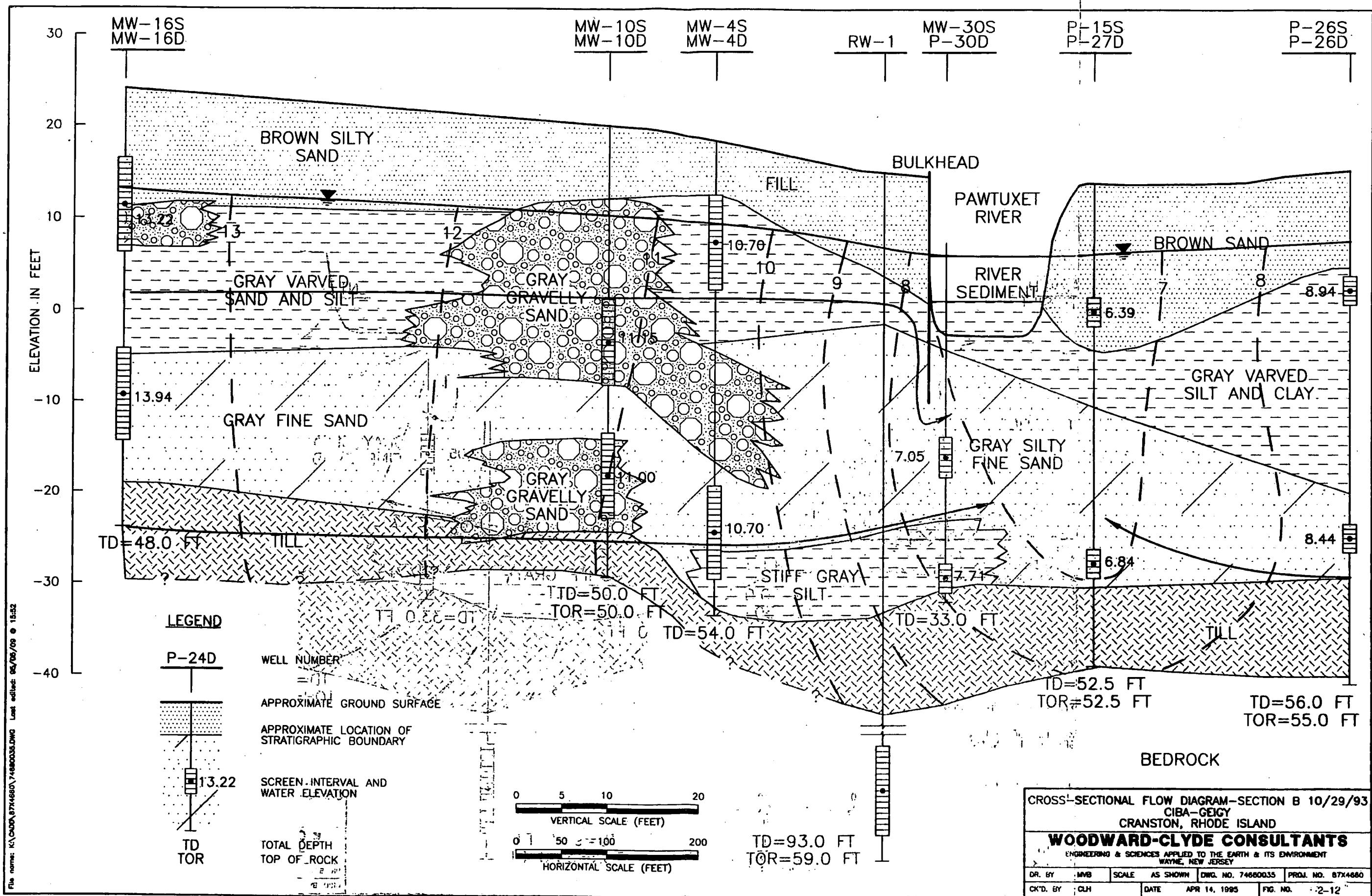


Figure 3A

Path: J:\Indi Service\Project Files\BASF-0760\Cranston RI\7 Deliverables\1. GIS Database\Projects\SRI_Report\Figure_2-5A_Shallow_Potentiometric Map_June 2012.mxd

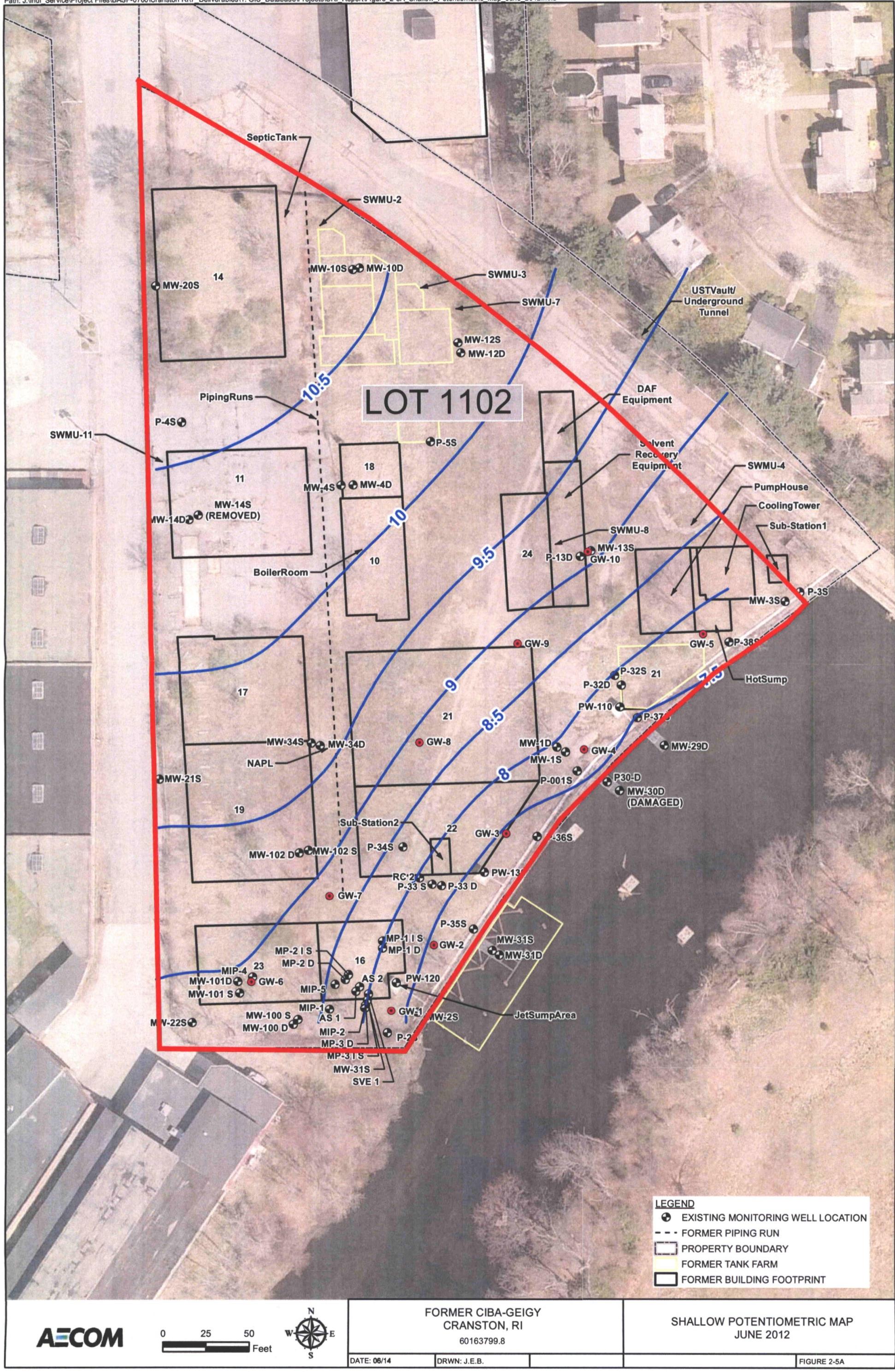


Figure 3B

Path: J:\Indl Service\Project Files\BASF-0760\Cranston RI\7 Deliverables\1. GIS Database\Projects\SRI_Report\Figure 2-5B Shallow Potentiometric Map Oct 2012.mxd

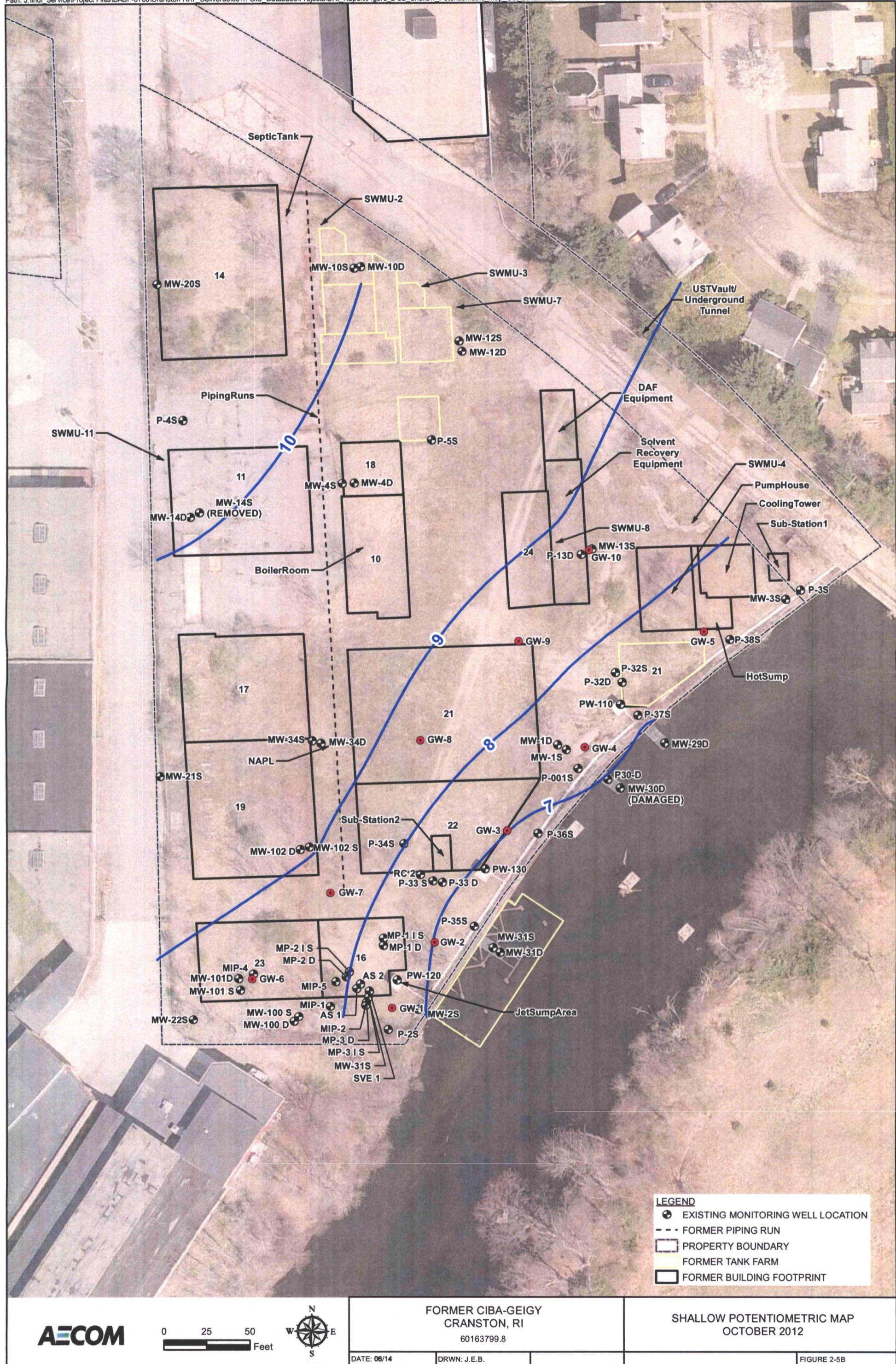


Figure 4

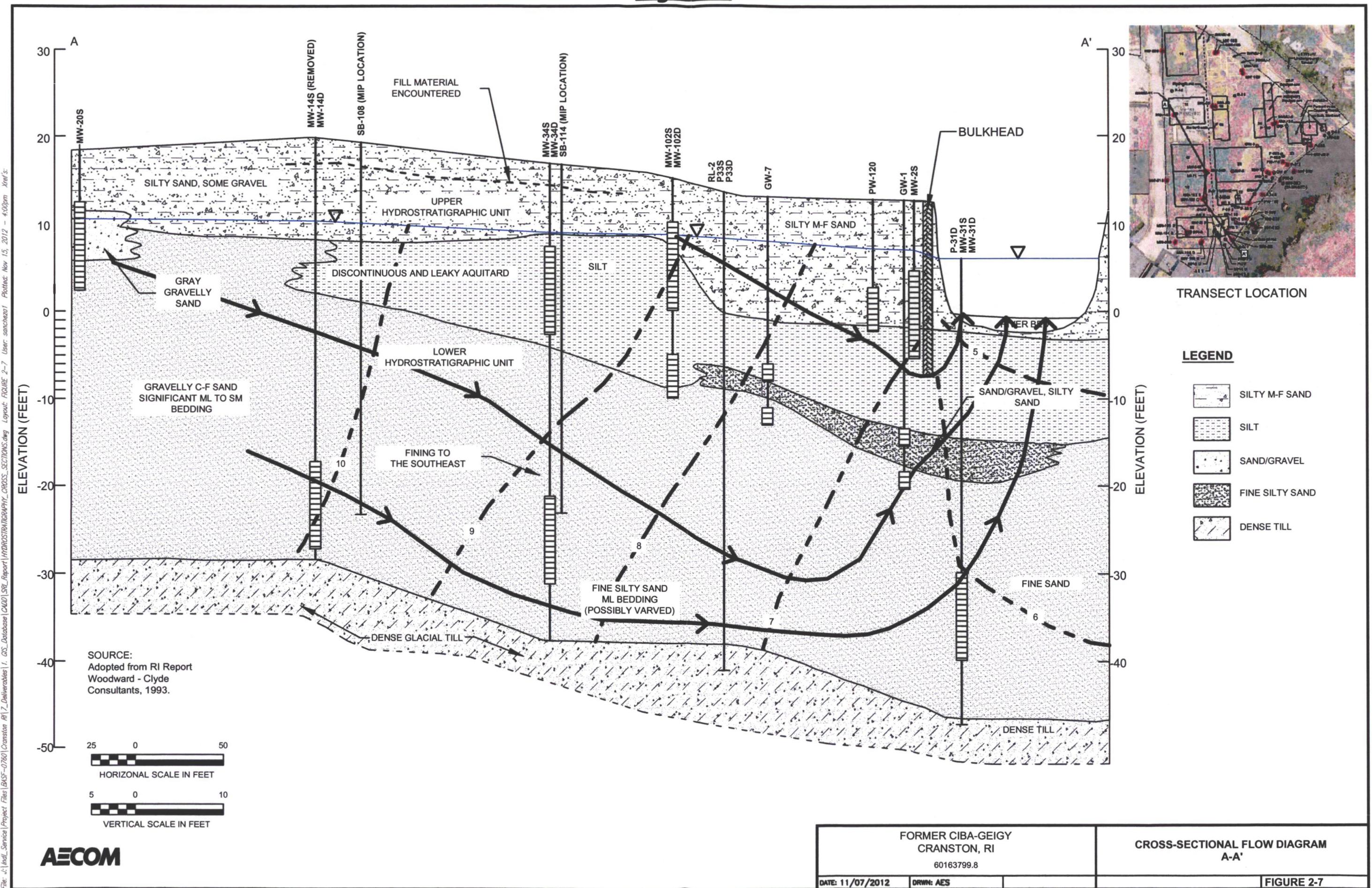


Figure 5

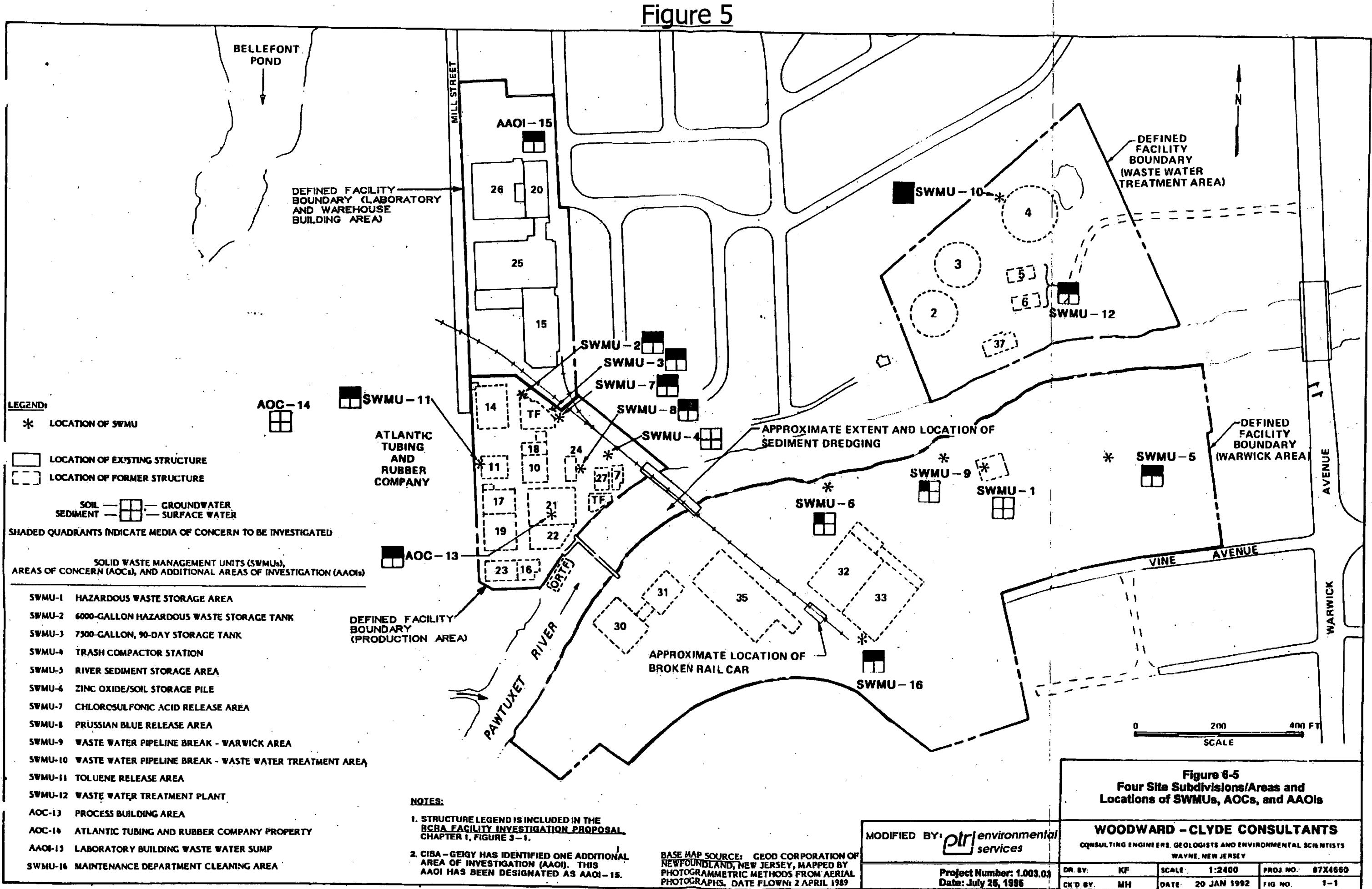


Figure 6-5
Four Site Subdivisions/Areas and Locations of SWMUs, AOCs, and AAOIs

Figure 6

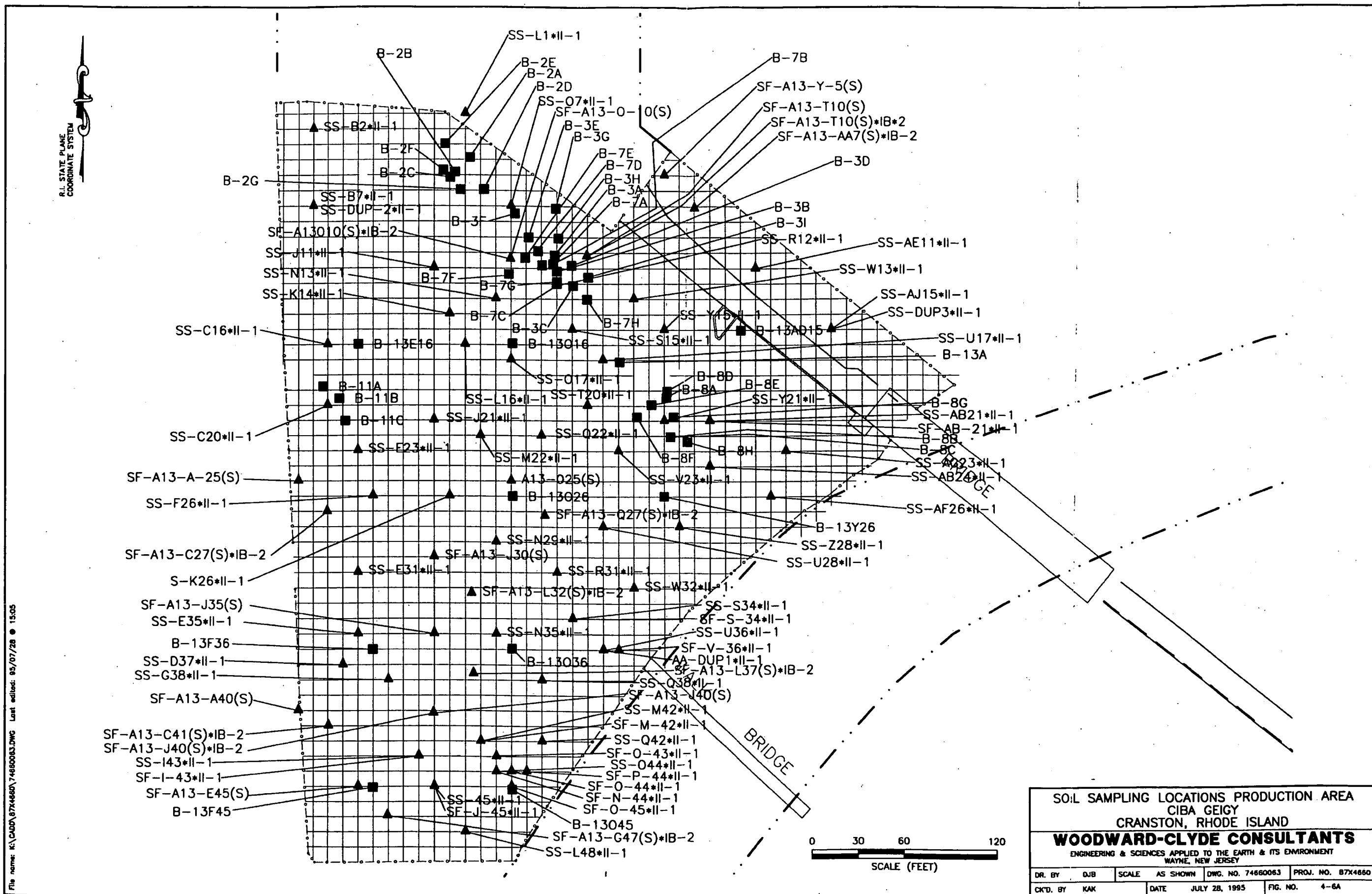


Figure 7

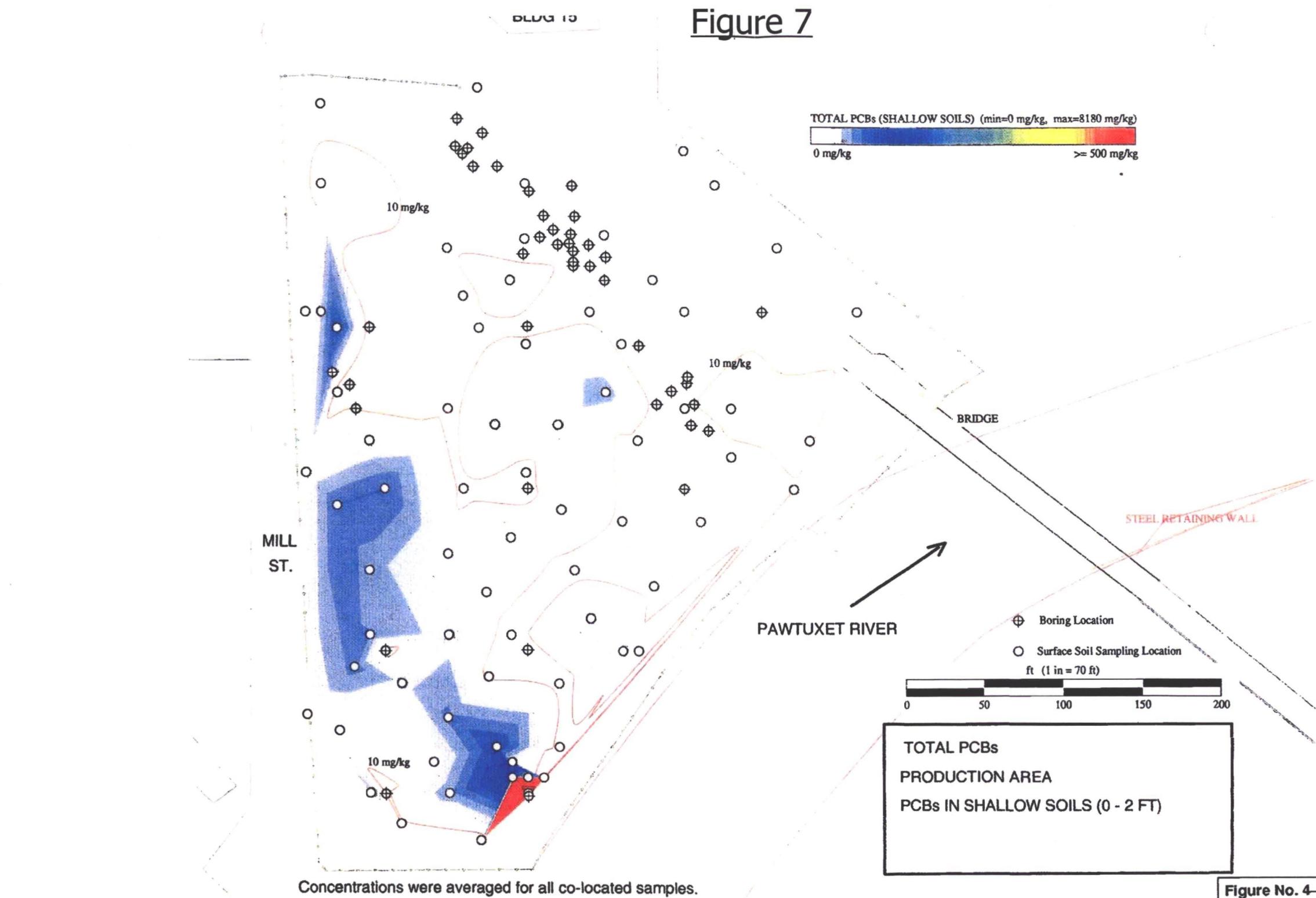


Figure No. 4-7

Figure 8

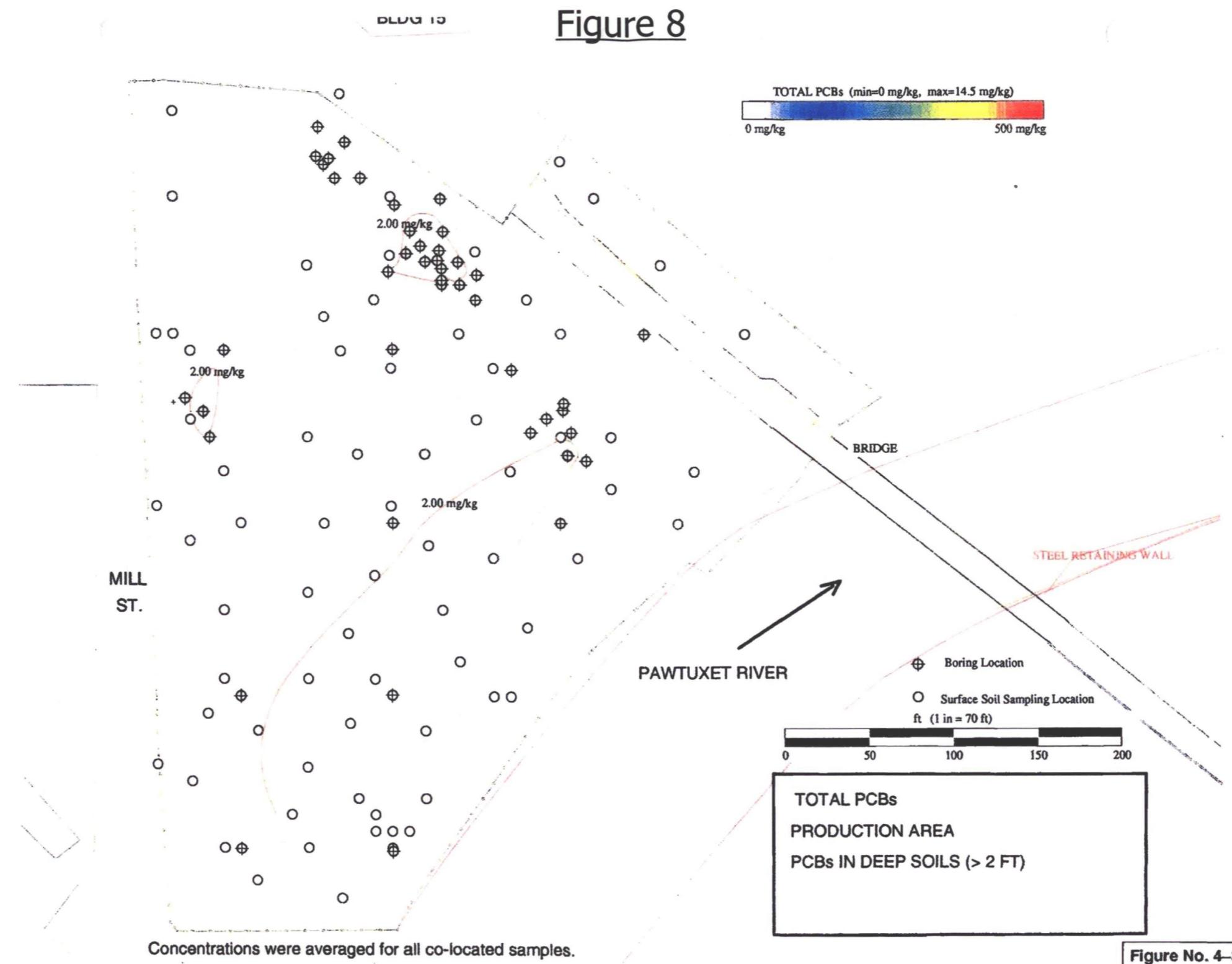


Figure 9

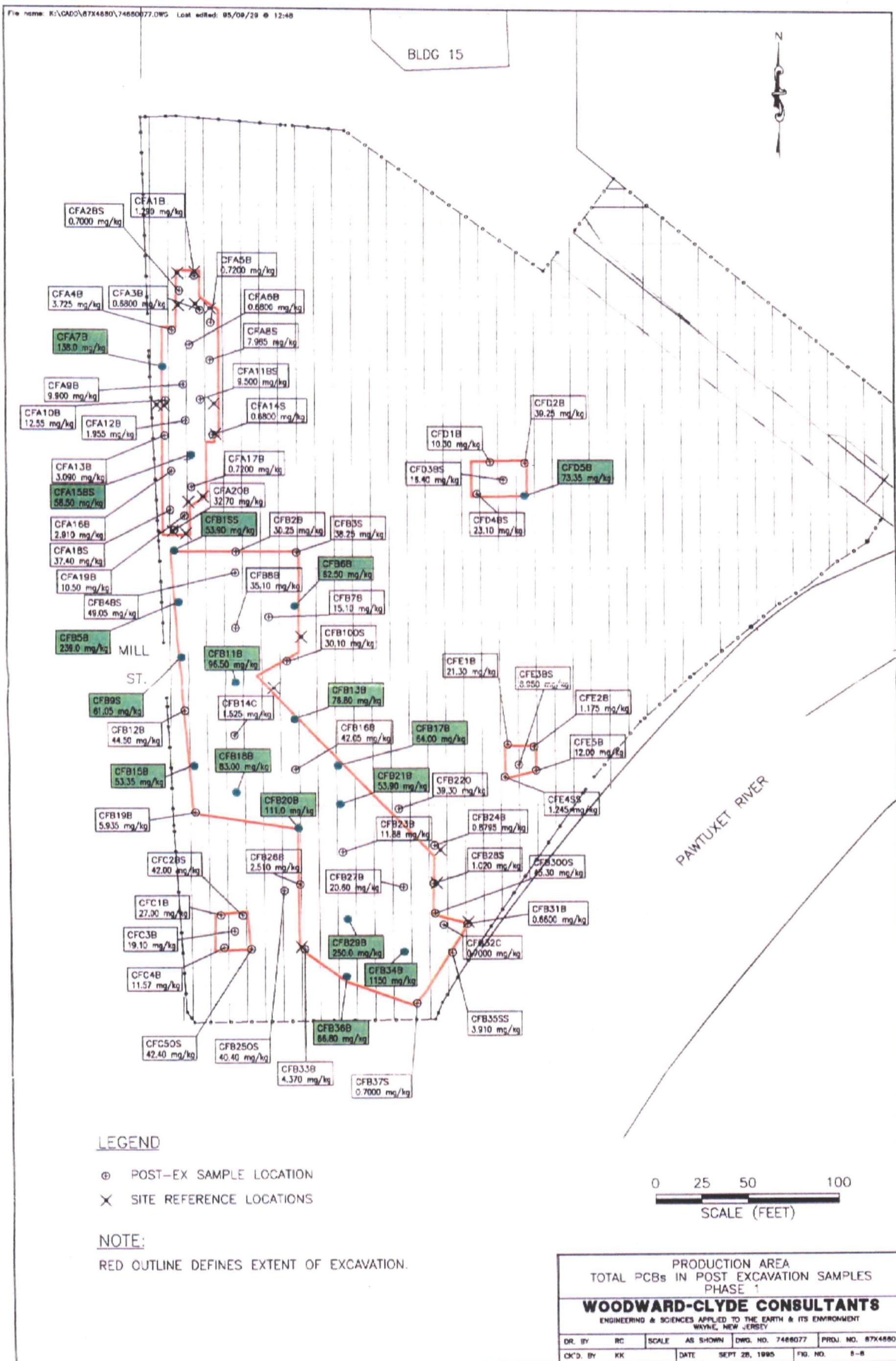


Figure 10

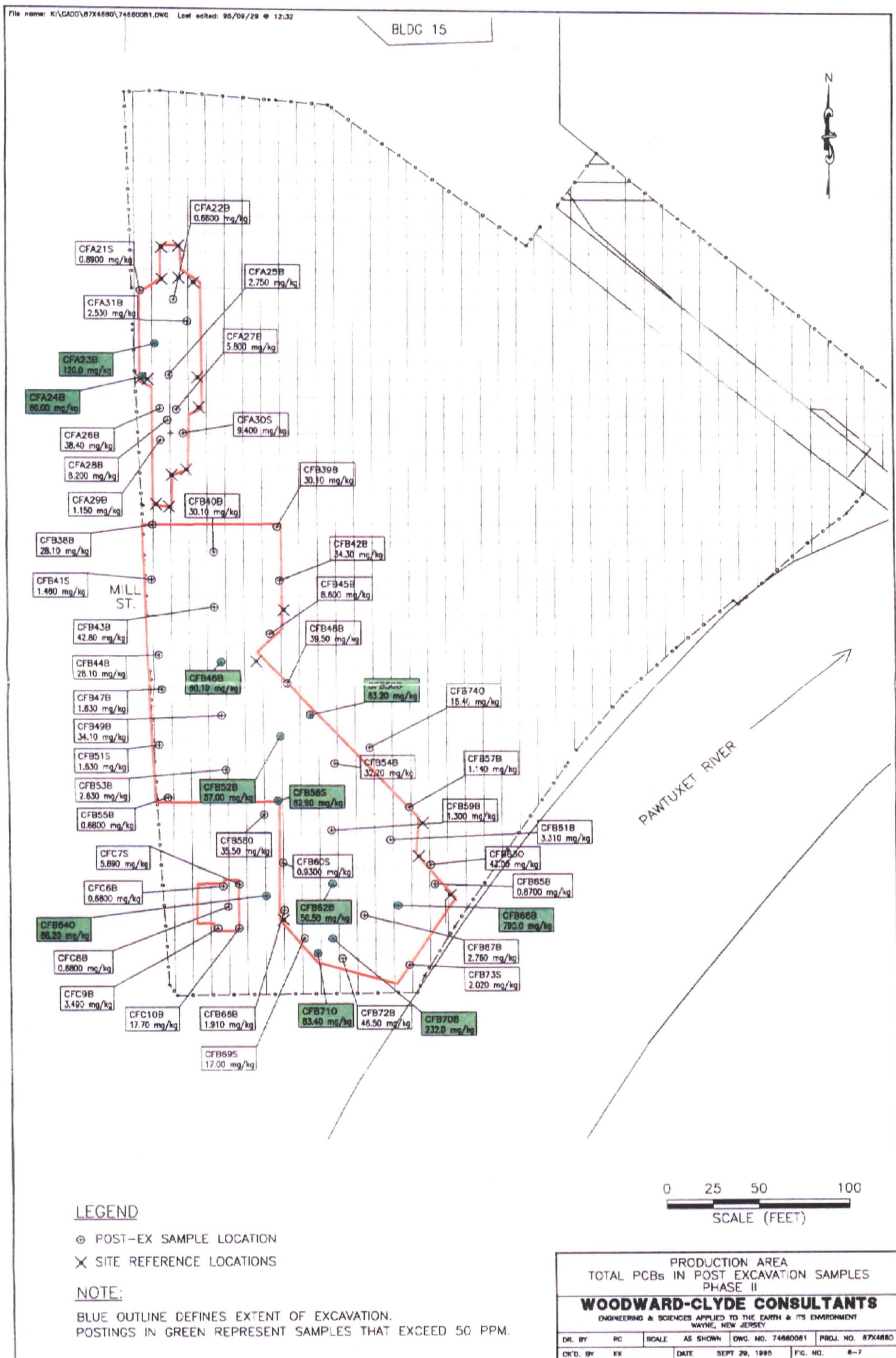


Figure 11

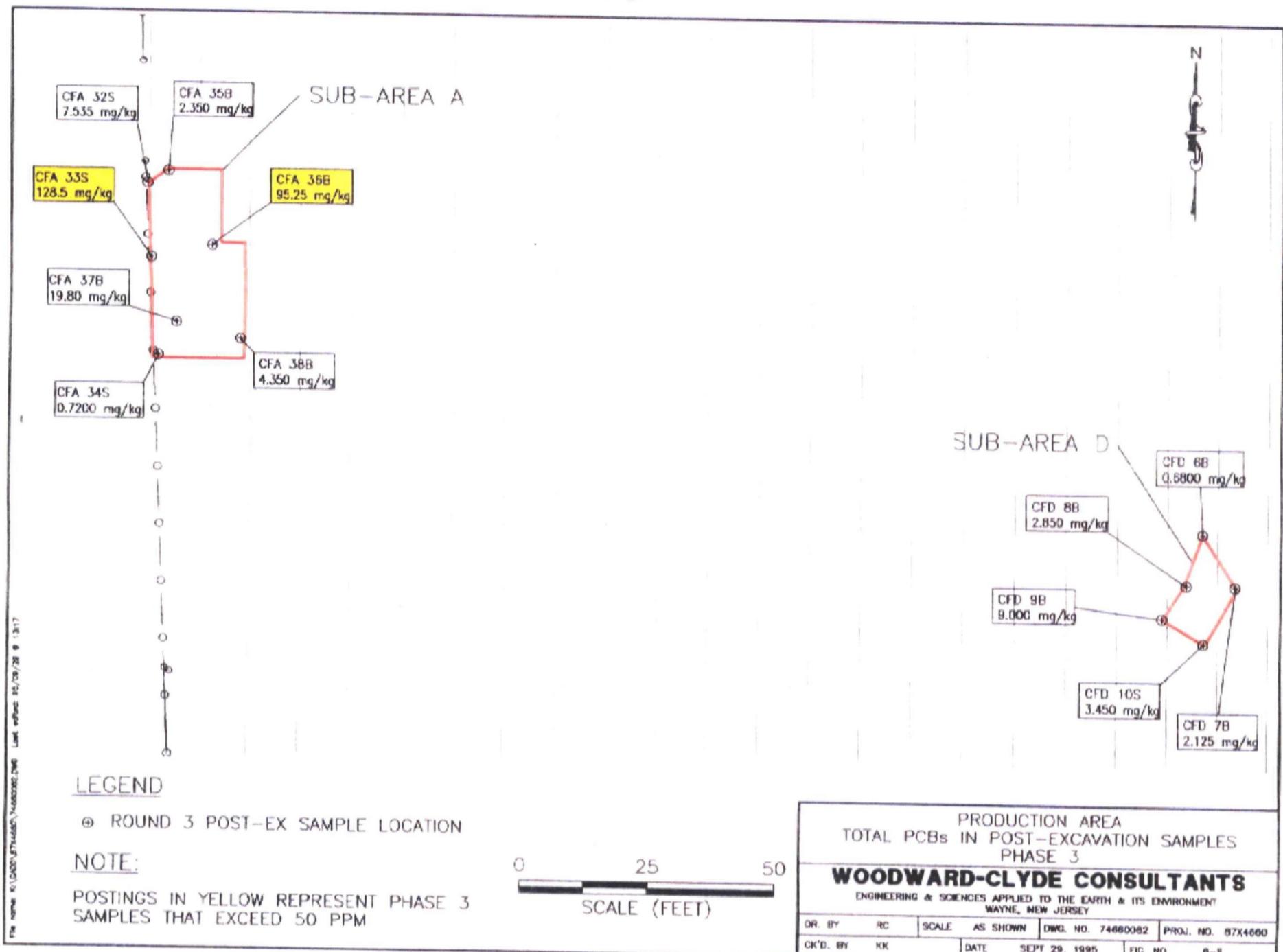


Figure 12

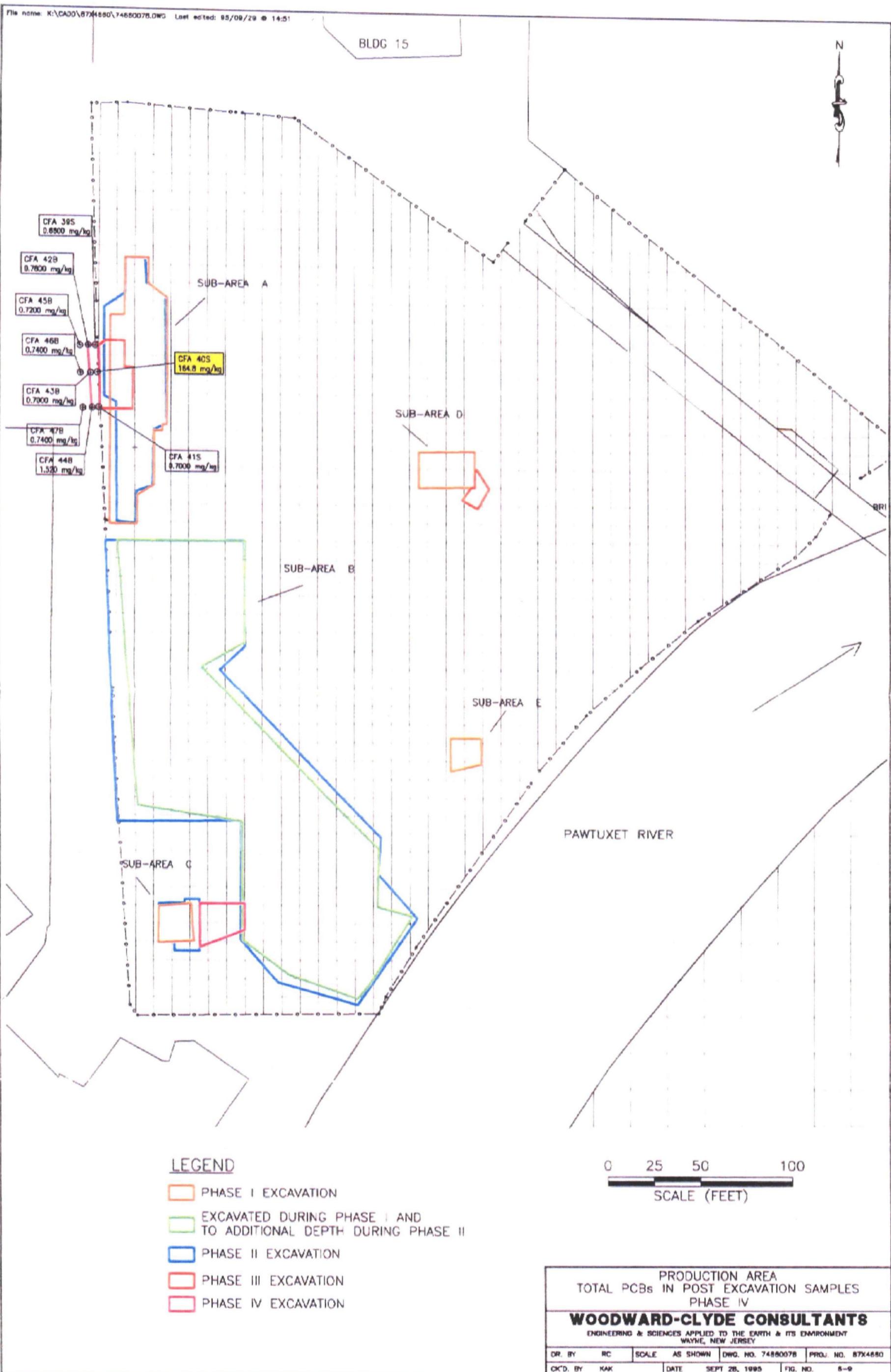
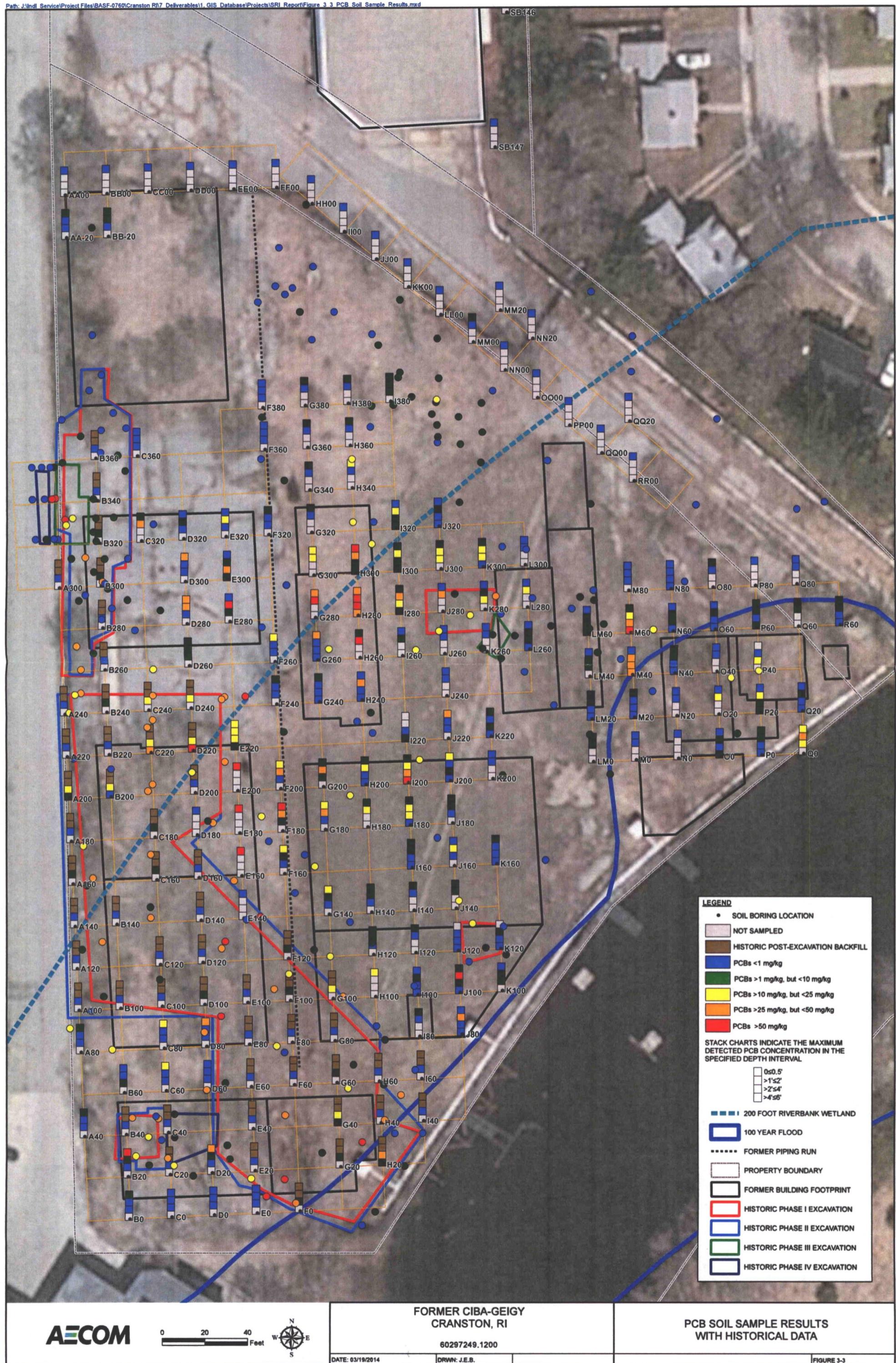


Figure 13

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TABLES

Table 5 - Summary of Analytical PCB Soil Results - 2017 Test Pitting

BASF
 180 Mill Street
 Cranston, RI
 PN: 363655

Laboratory Sample Designation		Applicable Site/Regulatory Standards		1704695-01	1704695-02	1704695-03	1704723-01
		EPA TSCA Low Occupancy Clean-Up Criteria (No Cap or Fence)	RIDEM Industrial/Commercial Direct Exposure Concentration				
		TP-5 (2-2.5')	TP-5 (3.5-4.0')				
PCBs (8082A/3540C)	Units			04/26/2017	04/26/2017	04/26/2017	04/27/2017
Aroclor 1016	mg/kg	N/A	N/A	16600	U, D	835	U, D
Aroclor 1221	mg/kg	N/A	N/A	16600	U, D	835	U, D
Aroclor 1232	mg/kg	N/A	N/A	16600	U, D	835	U, D
Aroclor 1242	mg/kg	N/A	N/A	16600	U, D	835	U, D
Aroclor 1248	mg/kg	N/A	N/A	118000	D	15500	D
Aroclor 1254	mg/kg	N/A	N/A	16600	U, D	835	U, D
Aroclor 1260	mg/kg	N/A	N/A	16600	U, D	835	U, D
Aroclor 1262	mg/kg	N/A	N/A	16600	U, D	835	U, D
Aroclor 1268	mg/kg	N/A	N/A	16600	U, D	835	U, D
Total PCBs	mg/kg	25	10	118000		15500	
						13.7	
							25.6

Notes:

1. EPA TSCA low occupancy clean-up standard per 761.61(a)(4)(i)(B).
3. RIDEM I&C DEC per DEM-DSR-01-93, Remediation Regulations, Amended November 2011.
4. **BOLD** values exceeded one of the Applicable Site/Regulatory Standards.

U: Undetected

D: Diluted

Table 6 - Summary of Groundwater Analytical Results - SRI Addendum

BASF
180 Mill Street
Cranston, RI

	Sample Designation	MP-3I	MP-3S	MW-002S	MW-021S	MW-029D	MW-031D	MW-031S	MW-034D	MW-102D	P-030D	P-035S
	Date Collected	7/24/2013	7/26/2013	7/26/2013	7/26/2013	7/26/2013	7/25/2013	7/25/2013	7/24/2013	7/24/2013	7/26/2013	7/25/2013
	Sample Code	N	N	FD	N	N	N	N	N	N	N	N
	Sample Depth	18 - 22 ft	5 - 13 ft	8 - 18 ft	6 - 16 ft	34 - 44 ft	36 - 46 ft	NA	38 - 48 ft	20 - 25 ft	35 - 38 ft	10 - 15 ft
Parameter	EPA Maximum Contaminant Level (MCL)	Units										
AROCLR-1016	N/A	mg/l	< 0.00009 U	< 0.00009 U	< 0.00009 U	< 0.00009 U	< 0.00009 U	< 0.00009 U	< 0.00009 U	< 0.00009 U	< 0.00009 U	< 0.00009 U
AROCLR-1221	N/A	mg/l	0.00904 D	< 0.00009 U	< 0.00009 U	< 0.00009 U	< 0.00009 U	< 0.00009 U	0.00019	< 0.00009 U	< 0.00009 U	< 0.00009 U
AROCLR-1232	N/A	mg/l	< 0.00009 U	< 0.00009 U	< 0.00009 U	< 0.00009 U	< 0.00009 U	< 0.00009 U	< 0.00009 U	< 0.00009 U	< 0.00009 U	< 0.00009 U
AROCLR-1242	N/A	mg/l	< 0.00009 U	0.0141 D	0.00046	< 0.00009 U						
AROCLR-1248	N/A	mg/l	< 0.00009 U	< 0.00009 U	< 0.00009 U	< 0.00009 U	< 0.00009 U	< 0.00009 U	< 0.00009 U	< 0.00009 U	< 0.00009 U	< 0.00009 U
AROCLR-1254	N/A	mg/l	< 0.00009 U	< 0.00009 U	< 0.00009 U	0.00027	< 0.00009 U					
AROCLR-1260	N/A	mg/l	< 0.00009 U	< 0.00009 U	< 0.00009 U	< 0.00009 U	< 0.00009 U	< 0.00009 U	< 0.00009 U	< 0.00009 U	< 0.00009 U	< 0.00009 U
AROCLR-1262	N/A	mg/l	< 0.00009 U	< 0.00009 U	< 0.00009 U	< 0.00009 U	< 0.00009 U	< 0.00009 U	< 0.00009 U	< 0.00009 U	< 0.00009 U	< 0.00009 U
AROCLR-1268	N/A	mg/l	< 0.00009 U	< 0.00009 U	< 0.00009 U	< 0.00009 U	< 0.00009 U	< 0.00009 U	< 0.00009 U	< 0.00009 U	< 0.00009 U	< 0.00009 U
Total PCBs	0.0005	mg/l	0.00904 D	0.0141 D	0.00046	0.00027	< 0.00009 U	< 0.00009 U	0.00019	< 0.00009 U	< 0.00009 U	< 0.00009 U

Notes:

U = not detected above detection limits

D = Dilution

Numbers in **Bold** exceed the MCL

< indicates not detected above detection limits

Table 7- Summary of Groundwater PCB Analytical Results - 2017 Groundwater Sampling

BASF
180 Mill Street
Cranston, RI
PN: 363655

Parameter	RIDEM GB Standards	Site Media Protection Standards	EPA Maximum Contaminant Level (MCL)	SAMPLE LOCATION											
				MW-12S	MW-2S	MW-302D	MW-31D	MW-31S	MP-3I	MP-3S	MW-102D	MW-102S	MW-302S	MW-34D	MW-34S
Sampling Date:				4/20/2017	4/20/2017	4/20/2017	4/20/2017	4/20/2017	4/19/2017	4/19/2017	4/19/2017	4/19/2017	4/19/2017	4/19/2017	4/19/2017
SW-846 8260C (µg/L)															
BENZENE	140	NA	NA	NT	NT	ND (400) *	NT	NT	ND (1000) *	ND (20)	ND (1000) *	ND (5.0)	190	ND (1.0)	ND (4.0)
BROMOBENZENE	NA	NA	NA	NT	NT	590	NT	NT	ND (1000)	ND (20)	ND (1000)	ND (5.0)	90	ND (1.0)	ND (4.0)
CHLOROBENZENE	3200	1700	NA	NT	NT	2000	NT	NT	13000	680	4400	270	1700	ND (1.0)	77
2-CHLOROTOLUENE	NA	1500	NA	NT	NT	28000	NT	NT	3300	ND (20)	44000	28	2500	ND (1.0)	230
4-CHLOROTOLUENE	NA	NA	NA	NT	NT	1500	NT	NT	ND (1000)	ND (20)	3100	ND (5.0)	170	ND (1.0)	7.5
1,2-DICHLOROBENZENE	NA	94	NA	NT	NT	1900	NT	NT	45000	630	ND (1000) *	ND (5.0)	230	ND (1.0)	22
CIS-1,2-DICHLOROETHYLENE	2400	NA	NA	NT	NT	ND (400)	NT	NT	ND (1000)	130	ND (1000) *	ND (5.0)	ND (50)	ND (1.0)	ND (4.0)
ETHYLBENZENE	1600	NA	NA	NT	NT	490	NT	NT	ND (1000)	ND (20)	ND (1000) *	ND (5.0)	55	ND (1.0)	ND (4.0)
TOLUENE	1700	1700	NA	NT	NT	33000	NT	NT	ND (1000)	ND (20)	16000	ND (5.0)	3800	ND (1.0)	11
1,3,5-TRIMETHYLBENZENE	NA	NA	NA	NT	NT	520	NT	NT	ND (1000)	ND (20)	ND (1000)	ND (5.0)	ND (50)	ND (1.0)	ND (4.0)
VINYL CHLORIDE	2	NA	NA	NT	NT	ND (800) *	NT	NT	ND (2000) *	41	ND (2000) *	ND (10) *	ND (100) *	ND (0.0020)	ND (8.0) *
M/P-XYLENE	NA	78	NA	NT	NT	1600	NT	NT	ND (2000) *	ND (40)	ND (2000) *	ND (10)	600	ND (0.0020)	ND (8.0)
O-XYLENE	NA	78	NA	NT	NT	430	NT	NT	ND (2000) *	ND (20)	ND (2000) *	ND (5.0)	270	ND (1.0)	11

NOTES:

1. An asterisk (*) following a detection limit indicates that the minimum laboratory reporting limit exceeds one or more of the regulatory criteria.

2. ND = Not detected above the lab reporting limits shown in parenthesis.

3. NT = Not tested.

4. NA = Not applicable

5. Bold values exceed one of the comparable standards.

Table 4A - Summary of Analytical PCB Soil Results - 2015 SRI

BASF
180 Mill Street
Cranston, RI

Location			SB101	SB101	SB102	SB102	SB103	SB103	SB104	SB104	SB105		
Date			6/12/2012	7/26/2012	6/15/2012	7/26/2012	6/15/2012	7/27/2012	6/15/2012	7/27/2012	6/15/2012		
Sample Type			N	N	N	N	N	N	N	N	N		
Start_Depth			0	4	0	4	0	4	0	4	0		
End_Depth			2	6	2	6	2	6	2	6	2		
Analytical method	Chemical Name	RI Ind/Comm	MPS	Unit	< 0.0569 U	< 0.0556 U	< 2.83 U	< 0.0532 U	< 0.0531 U	< 0.0508 U	< 0.0551 U	< 0.0503 U	< 0.0549 U
SW8082	AROCLOR-1262	10	N/A	mg/kg	< 0.0569 U	< 0.0556 U	< 2.83 U	< 0.0532 U	< 0.0531 U	< 0.0508 U	< 0.0551 U	< 0.0503 U	< 0.0549 U
SW8082	AROCLOR-1268	10	N/A	mg/kg	< 0.0569 U	< 0.0556 U	< 2.83 U	< 0.0532 U	< 0.0531 U	< 0.0508 U	< 0.0551 U	< 0.0503 U	< 0.0549 U
SW8082	PCB-1016	10	N/A	mg/kg	< 0.0569 U	< 0.0556 U	< 2.83 U	< 0.0532 U	< 0.0531 U	< 0.0508 U	< 0.0551 U	< 0.0503 U	< 0.0549 U
SW8082	PCB-1221	10	N/A	mg/kg	< 0.0569 U	< 0.0556 U	< 2.83 U	< 0.0532 U	< 0.0531 U	< 0.0508 U	< 0.0551 U	< 0.0503 U	< 0.0549 U
SW8082	PCB-1232	10	N/A	mg/kg	< 0.0569 U	< 0.0556 U	< 2.83 U	< 0.0532 U	< 0.0531 U	< 0.0508 U	< 0.0551 U	< 0.0503 U	< 0.0549 U
SW8082	PCB-1242	10	N/A	mg/kg	< 0.0569 U	< 0.0556 U	< 2.83 U	< 0.0532 U	< 0.0531 U	< 0.0508 U	< 0.0551 U	< 0.0503 U	< 0.0549 U
SW8082	PCB-1248	10	N/A	mg/kg	< 0.0569 U	< 0.0556 U	< 2.83 U	< 0.0532 U	0.467	< 0.0508 U	< 0.0551 U	< 0.0503 U	< 0.0549 U
SW8082	PCB-1254	10	N/A	mg/kg	0.0861	< 0.0556 U	23.5	0.184	4.29	< 0.0508 U	7.02	0.349	1.39
SW8082	PCB-1260	10	N/A	mg/kg	< 0.0569 U	< 0.0556 U	< 2.83 U	0.0588	3.61	1.38	0.902	0.128	< 0.0549 U
SW8082	Total PCB Aroclors	10	50	mg/kg	0.0861	< 0.0556 U	23.5	0.2428	8.367	1.38	7.922	0.477	1.39

Notes

mg/kg = millgram per kilogram

U = not detected above report detection limit

J = estimated value

NA = Not analyzed

all depth units are in feet

Table 4A - Summary of Analytical PCB Soil Results - 2015 SRI

BASF
180 Mill Street
Cranston, RI

Location			SB105	SB106	SB106	SB107	SB107	SB108	SB108	SB109	SB109		
Date			7/26/2012	6/12/2012	7/25/2012	6/15/2012	7/24/2012	6/15/2012	7/23/2012	6/12/2012	6/12/2012		
Sample Type			N	N	N	N	N	N	N	N	FD		
Start_Depth			4	0	4	0	4	0	4	0	0		
End_Depth			6	2	6	2	6	2	6	2	2		
Analytical method	Chemical Name	RI Ind/Comm	MPS	Unit	< 0.0546 U	< 0.0550 U	< 0.0614 U	< 0.0560 U	< 0.0513 U	< 0.0570 U	< 0.0540 U	< 0.0537 U	< 0.0534 U
SW8082	AROCLOR-1262	10	N/A	mg/kg	< 0.0546 U	< 0.0550 U	< 0.0614 U	< 0.0560 U	< 0.0513 U	< 0.0570 U	< 0.0540 U	< 0.0537 U	< 0.0534 U
SW8082	AROCLOR-1268	10	N/A	mg/kg	< 0.0546 U	< 0.0550 U	< 0.0614 U	< 0.0560 U	< 0.0513 U	< 0.0570 U	< 0.0540 U	< 0.0537 U	< 0.0534 U
SW8082	PCB-1016	10	N/A	mg/kg	< 0.0546 U	< 0.0550 U	< 0.0614 U	< 0.0560 U	< 0.0513 U	< 0.0570 U	< 0.0540 U	< 0.0537 U	< 0.0534 U
SW8082	PCB-1221	10	N/A	mg/kg	< 0.0546 U	< 0.0550 U	< 0.0614 U	< 0.0560 U	< 0.0513 U	< 0.0570 U	< 0.0540 U	< 0.0537 U	< 0.0534 U
SW8082	PCB-1232	10	N/A	mg/kg	< 0.0546 U	< 0.0550 U	< 0.0614 U	< 0.0560 U	< 0.0513 U	< 0.0570 U	< 0.0540 U	< 0.0537 U	< 0.0534 U
SW8082	PCB-1242	10	N/A	mg/kg	< 0.0546 U	< 0.0550 U	< 0.0614 U	< 0.0560 U	< 0.0513 U	< 0.0570 U	< 0.0540 U	< 0.0537 U	< 0.0534 U
SW8082	PCB-1248	10	N/A	mg/kg	< 0.0546 U	< 0.0550 U	< 0.0614 U	< 0.0560 U	< 0.0513 U	0.780	< 0.0540 U	< 0.0537 U	< 0.0534 U
SW8082	PCB-1254	10	N/A	mg/kg	1.57	1.54	< 0.0614 U	3.88	1.93	6.92	1.19	< 0.0537 U	0.0950
SW8082	PCB-1260	10	N/A	mg/kg	0.434	< 0.0550 U	< 0.0614 U	< 0.0560 U	0.286	< 0.0570 U	0.290	< 0.0537 U	< 0.0534 U
SW8082	Total PCB Aroclors	10	50	mg/kg	2.004	1.54	< 0.0614 U	3.88	2.216	7.7	1.48	< 0.0537 U	0.095

Notes

mg/kg = millgram per kilogram

U = not detected above report detection limit

J = estimated value

NA = Not analyzed

all depth units are in feet

Table 4A - Summary of Analytical PCB Soil Results - 2015 SRI

BASF
180 Mill Street
Cranston, RI

Location			SB109	SB110	SB110	SB111	SB111	SB112	SB112	SB112	SB113
Date			7/23/2012	6/15/2012	7/23/2012	6/15/2012	7/23/2012	6/15/2012	7/23/2012	7/23/2012	6/15/2012
Sample Type			N	N	N	N	N	N	N	FD	N
Start_Depth			4	0	4	0	4	0	4	4	0
End_Depth			6	2	6	2	6	2	6	6	2
Analytical method	Chemical Name	RI Ind/Comm	MPS	Unit							
SW8082	AROCLOR-1262	10	N/A	mg/kg	< 0.0486 U	< 1.14 U	< 0.0500 U	< 2.85 U	< 0.0526 U	< 0.0549 U	< 0.0514 U
SW8082	AROCLOR-1268	10	N/A	mg/kg	< 0.0486 U	< 1.14 U	< 0.0500 U	< 2.85 U	< 0.0526 U	< 0.0549 U	< 0.0514 U
SW8082	PCB-1016	10	N/A	mg/kg	< 0.0486 U	< 1.14 U	< 0.0500 U	< 2.85 U	< 0.0526 U	< 0.0549 U	< 0.0514 U
SW8082	PCB-1221	10	N/A	mg/kg	< 0.0486 U	< 1.14 U	< 0.0500 U	< 2.85 U	< 0.0526 U	< 0.0549 U	< 0.0514 U
SW8082	PCB-1232	10	N/A	mg/kg	< 0.0486 U	< 1.14 U	< 0.0500 U	< 2.85 U	< 0.0526 U	< 0.0549 U	< 0.0514 U
SW8082	PCB-1242	10	N/A	mg/kg	< 0.0486 U	< 1.14 U	< 0.0500 U	< 2.85 U	< 0.0526 U	< 0.0549 U	< 0.0514 U
SW8082	PCB-1248	10	N/A	mg/kg	< 0.0486 U	3.82	< 0.0500 U	3.98	< 0.0526 U	2.36	< 0.0514 U
SW8082	PCB-1254	10	N/A	mg/kg	0.0724	16.5	0.272	19.6	0.325	8.29	< 0.0514 U
SW8082	PCB-1260	10	N/A	mg/kg	< 0.0486 U	< 1.14 U	0.0659	< 2.85 U	< 0.0526 U	< 0.0549 U	< 0.0514 U
SW8082	Total PCB Aroclors	10	50	mg/kg	0.0724	20.32	0.3379	23.58	0.325	10.65	< 0.0514 U
											19.3

Notes

mg/kg = millgram per kilogram

U = not detected above report detection limit

J = estimated value

NA = Not analyzed

all depth units are in feet

Table 4A - Summary of Analytical PCB Soil Results - 2015 SRI

BASF
180 Mill Street
Cranston, RI

Location			SB113	SB114	SB114	SB115	SB115	SB115	SB116	SB116	SB117		
Date			7/23/2012	6/15/2012	7/23/2012	6/15/2012	6/15/2012	7/25/2012	6/15/2012	7/26/2012	6/12/2012		
Sample Type			N	N	N	N	FD	N	N	N	N		
Start_Depth			4	0	4	0	0	4	0	4	0		
End_Depth			6	2	6	2	2	6	2	6	2		
Analytical method	Chemical Name	RI Ind/Comm	MPS	Unit	< 0.0529 U	< 2.73 U	< 0.0509 U	< 0.0566 U	< 0.0555 U	< 0.0537 U	< 1.16 U	< 1.03 U	< 0.0562 U
SW8082	AROCLOR-1262	10	N/A	mg/kg	< 0.0529 U	< 2.73 U	< 0.0509 U	< 0.0566 U	< 0.0555 U	< 0.0537 U	< 1.16 U	< 1.03 U	< 0.0562 U
SW8082	AROCLOR-1268	10	N/A	mg/kg	< 0.0529 U	< 2.73 U	< 0.0509 U	< 0.0566 U	< 0.0555 U	< 0.0537 U	< 1.16 U	< 1.03 U	< 0.0562 U
SW8082	PCB-1016	10	N/A	mg/kg	< 0.0529 U	< 2.73 U	< 0.0509 U	< 0.0566 U	< 0.0555 U	< 0.0537 U	< 1.16 U	< 1.03 U	< 0.0562 U
SW8082	PCB-1221	10	N/A	mg/kg	< 0.0529 U	< 2.73 U	< 0.0509 U	< 0.0566 U	< 0.0555 U	< 0.0537 U	< 1.16 U	< 1.03 U	< 0.0562 U
SW8082	PCB-1232	10	N/A	mg/kg	< 0.0529 U	< 2.73 U	< 0.0509 U	< 0.0566 U	< 0.0555 U	< 0.0537 U	< 1.16 U	< 1.03 U	< 0.0562 U
SW8082	PCB-1242	10	N/A	mg/kg	< 0.0529 U	< 2.73 U	< 0.0509 U	< 0.0566 U	< 0.0555 U	< 0.0537 U	< 1.16 U	< 1.03 U	< 0.0562 U
SW8082	PCB-1248	10	N/A	mg/kg	< 0.0529 U	7.44	< 0.0509 U	< 0.0566 U	< 0.0555 U	< 0.0537 U	< 1.16 U	< 1.03 U	< 0.0562 U
SW8082	PCB-1254	10	N/A	mg/kg	2.40	29.3	0.731	8.54	5.41	< 0.0537 U	16.4	10.7	0.295
SW8082	PCB-1260	10	N/A	mg/kg	0.370	< 2.73 U	0.238	< 0.0566 U	< 0.0555 U	< 0.0537 U	< 1.16 U	< 1.03 U	< 0.0562 U
SW8082	Total PCB Aroclors	10	50	mg/kg	2.77	36.74	0.969	8.54	5.41	< 0.0537 U	16.4	10.7	0.295

Notes

mg/kg = millgram per kilogram

U = not detected above report detection limit

J = estimated value

NA = Not analyzed

all depth units are in feet

Table 4A - Summary of Analytical PCB Soil Results - 2015 SRI

BASF
180 Mill Street
Cranston, RI

Location			SB117	SB118	SB118	SB118	SB119	SB119	SB120	SB120	SB121		
Date			7/26/2012	6/12/2012	6/15/2012	7/26/2012	6/12/2012	7/25/2012	6/15/2012	7/24/2012	6/15/2012		
Sample Type			N	N	N	N	N	N	N	N	N		
Start_Depth			4	0	0	4	0	4	0	4	0		
End_Depth			6	2	2	6	2	6	2	6	2		
Analytical method	Chemical Name	RI Ind/Comm	MPS	Unit	< 0.0538 U	< 0.0543 U	< 0.0529 U	< 0.0503 U	< 2.79 U	< 5.64 U	< 0.0546 U	< 0.0622 U	< 1.10 U
SW8082	AROCLOR-1262	10	N/A	mg/kg	< 0.0538 U	< 0.0543 U	< 0.0529 U	< 0.0503 U	< 2.79 U	< 5.64 U	< 0.0546 U	< 0.0622 U	< 1.10 U
SW8082	AROCLOR-1268	10	N/A	mg/kg	< 0.0538 U	< 0.0543 U	< 0.0529 U	< 0.0503 U	< 2.79 U	< 5.64 U	< 0.0546 U	< 0.0622 U	< 1.10 U
SW8082	PCB-1016	10	N/A	mg/kg	< 0.0538 U	< 0.0543 U	< 0.0529 U	< 0.0503 U	< 2.79 U	< 5.64 U	< 0.0546 U	< 0.0622 U	< 1.10 U
SW8082	PCB-1221	10	N/A	mg/kg	< 0.0538 U	< 0.0543 U	< 0.0529 U	< 0.0503 U	< 2.79 U	< 5.64 U	< 0.0546 U	< 0.0622 U	< 1.10 U
SW8082	PCB-1232	10	N/A	mg/kg	< 0.0538 U	< 0.0543 U	< 0.0529 U	< 0.0503 U	< 2.79 U	< 5.64 U	< 0.0546 U	< 0.0622 U	< 1.10 U
SW8082	PCB-1242	10	N/A	mg/kg	< 0.0538 U	< 0.0543 U	< 0.0529 U	< 0.0503 U	< 2.79 U	< 5.64 U	< 0.0546 U	< 0.0622 U	< 1.10 U
SW8082	PCB-1248	10	N/A	mg/kg	< 0.0538 U	< 0.0543 U	< 0.0529 U	< 0.0503 U	< 2.79 U	< 5.64 U	0.943	< 0.0622 U	< 1.10 U
SW8082	PCB-1254	10	N/A	mg/kg	0.0908	0.187	7.39	< 0.0503 U	13.2	71.8	1.79	< 0.0622 U	10.8
SW8082	PCB-1260	10	N/A	mg/kg	< 0.0538 U	0.0901	< 0.0529 U	< 0.0503 U	< 2.79 U	< 5.64 U	< 0.0546 U	< 0.0622 U	< 1.10 U
SW8082	Total PCB Aroclors	10	50	mg/kg	0.0908	0.2771	7.39	< 0.0503 U	13.2	71.8	2.733	< 0.0622 U	10.8

Notes

mg/kg = millgram per kilogram

U = not detected above report detection limit

J = estimated value

NA = Not analyzed

all depth units are in feet

Table 4A - Summary of Analytical PCB Soil Results - 2015 SRI

BASF
180 Mill Street
Cranston, RI

Location			SB121	SB122	SB122
Date			7/24/2012	6/15/2012	7/24/2012
Sample Type			N	N	N
Start_Depth			4	0	4
End_Depth			6	2	6
Analytical method	Chemical Name	RI Ind/Comm	MPS	Unit	
SW8082	AROCLOR-1262	10	N/A	mg/kg	< 0.0605 U
SW8082	AROCLOR-1268	10	N/A	mg/kg	< 0.0605 U
SW8082	PCB-1016	10	N/A	mg/kg	< 0.0605 U
SW8082	PCB-1221	10	N/A	mg/kg	< 0.0605 U
SW8082	PCB-1232	10	N/A	mg/kg	< 0.0605 U
SW8082	PCB-1242	10	N/A	mg/kg	< 0.0605 U
SW8082	PCB-1248	10	N/A	mg/kg	< 0.0605 U
SW8082	PCB-1254	10	N/A	mg/kg	< 0.0605 U
SW8082	PCB-1260	10	N/A	mg/kg	< 0.0605 U
SW8082	Total PCB Aroclors	10	50	mg/kg	< 0.0605 U
					0.162
					11.6

Notes

mg/kg = millgram per kilogram

U = not detected above report detection limit

J = estimated value

NA = Not analyzed

all depth units are in feet

Table 4B - Summary of Analytical PCB Soil Results - 2015 SRI Addendum

BASF
180 Mill Street
Cranston, RI

	Sample ID	A100	A120	A140	A160	A180	A200	A200	A220	A240
	Sample Code	N								
	Sample Date	6/27/2013	6/25/2013							
	Sample Depth	2 - 4 ft	2 - 4 ft	2 - 4 ft	2 - 3 ft	2 - 4 ft	2 - 4 ft	4 - 6 ft	2 - 4 ft	2 - 4 ft
Parameter	I/C DEC	Units								
AROCLOR-1016	N/A	mg/kg	< 0.0586 U	< 0.0497 U	< 0.0554 U	< 1.08 U	< 0.0526 U	< 1.12 U	< 0.0569 U	< 0.0595 U
AROCLOR-1221	N/A	mg/kg	< 0.0586 U	< 0.0497 U	< 0.0554 U	< 1.08 U	< 0.0526 U	< 1.12 U	< 0.0569 U	< 0.0595 U
AROCLOR-1232	N/A	mg/kg	< 0.0586 U	< 0.0497 U	< 0.0554 U	< 1.08 U	< 0.0526 U	< 1.12 U	< 0.0569 U	< 0.0595 U
AROCLOR-1242	N/A	mg/kg	< 0.0586 U	< 0.0497 U	< 0.0554 U	< 1.08 U	< 0.0526 U	< 1.12 U	< 0.0569 U	< 0.0595 U
AROCLOR-1248	N/A	mg/kg	< 0.0586 U	< 0.0497 U	< 0.0554 U	< 1.08 U	< 0.0526 U	< 1.12 U	< 0.0569 U	< 0.0595 U
AROCLOR-1254	N/A	mg/kg	< 0.0586 U	< 0.0497 U	< 0.0554 U	7.98 D	< 0.0526 U	12.5 D	1.36	< 0.0595 U
AROCLOR-1260	N/A	mg/kg	< 0.0586 U	< 0.0497 U	0.502	< 1.08 U	< 0.0526 U	< 1.12 U	< 0.0569 U	< 0.0595 U
AROCLOR-1262	N/A	mg/kg	< 0.0586 U	< 0.0497 U	< 0.0554 U	< 1.08 U	< 0.0526 U	< 1.12 U	< 0.0569 U	< 0.0595 U
AROCLOR-1268	N/A	mg/kg	< 0.0586 U	< 0.0497 U	< 0.0554 U	< 1.08 U	< 0.0526 U	< 1.12 U	< 0.0569 U	< 0.0595 U
Total PCB Aroclors	10	mg/kg	< 0.0586 U	< 0.0497 U	0.502	7.98	< 0.0526 U	12.5	1.36	< 0.0595 U

Notes

< indicates not detected above detection limits

U = not detected above detection limits

D = Dilution

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Industrial/Commercial Direct Contact

Table 4B - Summary of Analytical PCB Soil Results - 2015 SRI Addendum

BASF
180 Mill Street
Cranston, RI

			Sample ID	A300	A40	A40	A80	AA00	AA-20	AA-20	AA-20	B0	
			Sample Code	N	N	N	N	N	N	N	N	N	
			Sample Date	6/25/2013	6/28/2013	6/28/2013	6/27/2013	6/24/2013	1/9/2014	1/9/2014	1/9/2014	1/9/2014	6/28/2013
			Sample Depth	2 - 4 ft	0 - 0.5 ft	1 - 2 ft	2 - 4 ft	0 - 0.5 ft	0 - 0.5 ft	1 - 2 ft	2 - 4 ft	0 - 0.5 ft	
Parameter	I/C DEC	Units											
AROCLOR-1016	N/A	mg/kg	< 0.0539 U	< 0.0517 U	< 0.0503 U	< 0.0581 U	< 0.0546 U	< 0.0586 U	< 0.0582 U	< 0.0556 U	< 0.0539 U		
AROCLOR-1221	N/A	mg/kg	< 0.0539 U	< 0.0517 U	< 0.0503 U	< 0.0581 U	< 0.0546 U	< 0.0586 U	< 0.0582 U	< 0.0556 U	< 0.0539 U		
AROCLOR-1232	N/A	mg/kg	< 0.0539 U	< 0.0517 U	< 0.0503 U	< 0.0581 U	< 0.0546 U	< 0.0586 U	< 0.0582 U	< 0.0556 U	< 0.0539 U		
AROCLOR-1242	N/A	mg/kg	< 0.0539 U	< 0.0517 U	< 0.0503 U	< 0.0581 U	< 0.0546 U	< 0.0586 U	< 0.0582 U	< 0.0556 U	< 0.0539 U		
AROCLOR-1248	N/A	mg/kg	< 0.0539 U	< 0.0517 U	< 0.0503 U	< 0.0581 U	< 0.0546 U	< 0.0586 U	< 0.0582 U	< 0.0556 U	< 0.0539 U		
AROCLOR-1254	N/A	mg/kg	< 0.0539 U	2.75 D	< 0.0503 U	< 0.0581 U	0.454	2.53	< 0.0582 U	< 0.0556 U	3.05 D		
AROCLOR-1260	N/A	mg/kg	< 0.0539 U	< 0.0517 U	< 0.0503 U	< 0.0581 U	< 0.0546 U	< 0.0586 U	< 0.0582 U	< 0.0556 U	< 0.0539 U		
AROCLOR-1262	N/A	mg/kg	< 0.0539 U	< 0.0517 U	< 0.0503 U	< 0.0581 U	< 0.0546 U	< 0.0586 U	< 0.0582 U	< 0.0556 U	< 0.0539 U		
AROCLOR-1268	N/A	mg/kg	< 0.0539 U	< 0.0517 U	< 0.0503 U	< 0.0581 U	< 0.0546 U	< 0.0586 U	< 0.0582 U	< 0.0556 U	< 0.0539 U		
Total PCB Aroclors	10	mg/kg	< 0.0539 U	2.75	< 0.0503 U	< 0.0581 U	0.454	2.53	< 0.0582 U	< 0.0556 U	3.05		

Notes

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Industrial/Commercial Direct Contact

Table 4B - Summary of Analytical PCB Soil Results - 2015 SRI Addendum

BASF
180 Mill Street
Cranston, RI

Sample ID		B0	B0	B100	B140	B20	B20	B20	B200	B200	
Sample Code		N	N	N	N	N	N	N	N	N	
Sample Date		6/28/2013	6/28/2013	6/27/2013	6/27/2013	6/28/2013	6/28/2013	6/28/2013	6/27/2013	6/27/2013	
Parameter	I/C DEC	Units									
Sample Depth		1 - 2 ft	2 - 4 ft	2 - 4 ft	2 - 4 ft	0 - 0.5 ft	1 - 2 ft	2 - 4 ft	2 - 4 ft	4 - 6 ft	
AROCLOR-1016	N/A	mg/kg	< 0.0518 U	< 0.0521 U	< 0.0561 U	< 0.0588 U	< 2.87 U	< 0.0518 U	< 0.0553 U	< 2.90 U	< 0.0577 U
AROCLOR-1221	N/A	mg/kg	< 0.0518 U	< 0.0521 U	< 0.0561 U	< 0.0588 U	< 2.87 U	< 0.0518 U	< 0.0553 U	< 2.90 U	< 0.0577 U
AROCLOR-1232	N/A	mg/kg	< 0.0518 U	< 0.0521 U	< 0.0561 U	< 0.0588 U	< 2.87 U	< 0.0518 U	< 0.0553 U	< 2.90 U	< 0.0577 U
AROCLOR-1242	N/A	mg/kg	< 0.0518 U	< 0.0521 U	< 0.0561 U	< 0.0588 U	< 2.87 U	< 0.0518 U	< 0.0553 U	< 2.90 U	< 0.0577 U
AROCLOR-1248	N/A	mg/kg	< 0.0518 U	< 0.0521 U	< 0.0561 U	< 0.0588 U	< 2.87 U	< 0.0518 U	< 0.0553 U	< 2.90 U	< 0.0577 U
AROCLOR-1254	N/A	mg/kg	0.245	0.0808	0.0987	0.0589	50.2 D	1.97 D	0.471	23.7 D	0.0720
AROCLOR-1260	N/A	mg/kg	< 0.0518 U	< 0.0521 U	< 0.0561 U	< 0.0588 U	< 2.87 U	< 0.0518 U	< 0.0553 U	< 2.90 U	< 0.0577 U
AROCLOR-1262	N/A	mg/kg	< 0.0518 U	< 0.0521 U	< 0.0561 U	< 0.0588 U	< 2.87 U	< 0.0518 U	< 0.0553 U	< 2.90 U	< 0.0577 U
AROCLOR-1268	N/A	mg/kg	< 0.0518 U	< 0.0521 U	< 0.0561 U	< 0.0588 U	< 2.87 U	< 0.0518 U	< 0.0553 U	< 2.90 U	< 0.0577 U
Total PCB Aroclors	10	mg/kg	0.245	0.0808	0.0987	0.0589	50.2	1.97	0.471	23.7	0.0720

Notes

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Industrial/Commercial Direct Contact

Table 4B - Summary of Analytical PCB Soil Results - 2015 SRI Addendum

BASF
180 Mill Street
Cranston, RI

	Sample ID	B220	B240	B260	B280	B300	B320	B340	B360	B40
	Sample Code	N								
	Sample Date	6/27/2013	6/25/2013	6/28/2013						
	Sample Depth	2 - 4 ft								
Parameter	I/C DEC	Units								
AROCLOR-1016	N/A	mg/kg	< 0.0539 U	< 0.0533 U	< 0.0529 U	< 0.0515 U	< 0.0532 U	< 0.0520 U	< 0.0512 U	< 0.0513 U
AROCLOR-1221	N/A	mg/kg	< 0.0539 U	< 0.0533 U	< 0.0529 U	< 0.0515 U	< 0.0532 U	< 0.0520 U	< 0.0512 U	< 0.0513 U
AROCLOR-1232	N/A	mg/kg	< 0.0539 U	< 0.0533 U	< 0.0529 U	< 0.0515 U	< 0.0532 U	< 0.0520 U	< 0.0512 U	< 0.0513 U
AROCLOR-1242	N/A	mg/kg	< 0.0539 U	< 0.0533 U	< 0.0529 U	< 0.0515 U	< 0.0532 U	1.25 D	0.152	< 0.0513 U
AROCLOR-1248	N/A	mg/kg	< 0.0539 U	< 0.0533 U	< 0.0529 U	< 0.0515 U	< 0.0532 U	< 0.0520 U	< 0.0512 U	< 0.0513 U
AROCLOR-1254	N/A	mg/kg	0.314	3.39 D	0.341	0.371 P	6.20 D	3.89 D	0.218	< 0.0513 U
AROCLOR-1260	N/A	mg/kg	< 0.0539 U	< 0.0533 U	< 0.0529 U	< 0.0515 U	< 0.0532 U	< 0.0520 U	< 0.0512 U	< 0.0513 U
AROCLOR-1262	N/A	mg/kg	< 0.0539 U	< 0.0533 U	< 0.0529 U	< 0.0515 U	< 0.0532 U	< 0.0520 U	< 0.0512 U	< 0.0513 U
AROCLOR-1268	N/A	mg/kg	< 0.0539 U	< 0.0533 U	< 0.0529 U	< 0.0515 U	< 0.0532 U	< 0.0520 U	< 0.0512 U	< 0.0513 U
Total PCB Aroclors	10	mg/kg	0.314	3.39	0.341	0.371	6.20	5.14	0.370	< 0.0513 U
										0.0806

Notes

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Industrial/Commercial Direct Contact

Table 4B - Summary of Analytical PCB Soil Results - 2015 SRI Addendum

BASF
180 Mill Street
Cranston, RI

Sample ID			B60	B60	B60	BB00	BB-20	BB-20	BB-20	C0	C0
Sample Code			N	N	N	N	N	N	N	N	N
Sample Date			6/28/2013	6/28/2013	6/28/2013	6/24/2013	1/9/2014	1/9/2014	1/9/2014	6/28/2013	6/28/2013
Sample Depth			0 - 0.5 ft	1 - 2 ft	2 - 4 ft	0 - 0.5 ft	0 - 0.5 ft	1 - 2 ft	2 - 4 ft	0 - 0.5 ft	1 - 2 ft
Parameter	I/C DEC	Units									
AROCLOR-1016	N/A	mg/kg	< 0.0524 U	< 0.0527 U	< 0.0571 U	< 0.0568 U	< 0.0650 U	< 0.0585 U	< 0.0548 U	< 0.0508 U	< 0.0533 U
AROCLOR-1221	N/A	mg/kg	< 0.0524 U	< 0.0527 U	< 0.0571 U	< 0.0568 U	< 0.0650 U	< 0.0585 U	< 0.0548 U	< 0.0508 U	< 0.0533 U
AROCLOR-1232	N/A	mg/kg	< 0.0524 U	< 0.0527 U	< 0.0571 U	< 0.0568 U	< 0.0650 U	< 0.0585 U	< 0.0548 U	< 0.0508 U	< 0.0533 U
AROCLOR-1242	N/A	mg/kg	< 0.0524 U	< 0.0527 U	< 0.0571 U	< 0.0568 U	< 0.0650 U	< 0.0585 U	< 0.0548 U	< 0.0508 U	< 0.0533 U
AROCLOR-1248	N/A	mg/kg	< 0.0524 U	< 0.0527 U	< 0.0571 U	< 0.0568 U	< 0.0650 U	< 0.0585 U	< 0.0548 U	< 0.0508 U	< 0.0533 U
AROCLOR-1254	N/A	mg/kg	0.104	< 0.0527 U	1.31 D	< 0.0568 U	3.37	2.17 D	0.233	< 0.0508 U	< 0.0533 U
AROCLOR-1260	N/A	mg/kg	< 0.0524 U	< 0.0527 U	< 0.0571 U	< 0.0568 U	1.40	< 0.0585 U	< 0.0548 U	< 0.0508 U	< 0.0533 U
AROCLOR-1262	N/A	mg/kg	< 0.0524 U	< 0.0527 U	< 0.0571 U	< 0.0568 U	< 0.0650 U	< 0.0585 U	< 0.0548 U	< 0.0508 U	< 0.0533 U
AROCLOR-1268	N/A	mg/kg	< 0.0524 U	< 0.0527 U	< 0.0571 U	< 0.0568 U	< 0.0650 U	< 0.0585 U	< 0.0548 U	< 0.0508 U	< 0.0533 U
Total PCB Aroclors	10	mg/kg	0.104	< 0.0527 U	1.31	< 0.0568 U	4.77	2.17	0.233	< 0.0508 U	< 0.0533 U

Notes

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Industrial/Commercial Direct Contact

Table 4B - Summary of Analytical PCB Soil Results - 2015 SRI Addendum

BASF
180 Mill Street
Cranston, RI

	Sample ID	C0	C100	C120	C160	C180	C20	C220	C220	C240	
Sample Code	N	N	N	N	N	N	N	N	N	N	
Sample Date	6/28/2013	6/27/2013	6/27/2013	6/27/2013	6/27/2013	6/28/2013	6/28/2013	6/27/2013	6/27/2013	6/25/2013	
Sample Depth	2 - 4 ft	2 - 4 ft	2 - 4 ft	2 - 4 ft	2 - 4 ft	2 - 4 ft	2 - 4 ft	2 - 4 ft	4 - 6 ft	2 - 4 ft	
Parameter	I/C DEC	Units									
AROCLOR-1016	N/A	mg/kg	< 0.0530 U	< 0.0608 U	< 0.0569 U	< 0.0553 U	< 0.0539 U	< 0.0527 U	< 1.09 U	< 2.85 U	< 1.08 U
AROCLOR-1221	N/A	mg/kg	< 0.0530 U	< 0.0608 U	< 0.0569 U	< 0.0553 U	< 0.0539 U	< 0.0527 U	< 1.09 U	< 2.85 U	< 1.08 U
AROCLOR-1232	N/A	mg/kg	< 0.0530 U	< 0.0608 U	< 0.0569 U	< 0.0553 U	< 0.0539 U	< 0.0527 U	< 1.09 U	< 2.85 U	< 1.08 U
AROCLOR-1242	N/A	mg/kg	< 0.0530 U	< 0.0608 U	< 0.0569 U	< 0.0553 U	< 0.0539 U	< 0.0527 U	< 1.09 U	< 2.85 U	< 1.08 U
AROCLOR-1248	N/A	mg/kg	< 0.0530 U	< 0.0608 U	< 0.0569 U	< 0.0553 U	< 0.0539 U	< 0.0527 U	< 1.09 U	< 2.85 U	< 1.08 U
AROCLOR-1254	N/A	mg/kg	< 0.0530 U	< 0.0608 U	< 0.0569 U	6.53 D	5.35 D	< 0.0527 U	12.0 D	34.3	14.2 D
AROCLOR-1260	N/A	mg/kg	< 0.0530 U	< 0.0608 U	< 0.0569 U	< 0.0553 U	< 0.0539 U	< 0.0527 U	< 1.09 U	< 2.85 U	< 1.08 U
AROCLOR-1262	N/A	mg/kg	< 0.0530 U	< 0.0608 U	< 0.0569 U	< 0.0553 U	< 0.0539 U	< 0.0527 U	< 1.09 U	< 2.85 U	< 1.08 U
AROCLOR-1268	N/A	mg/kg	< 0.0530 U	< 0.0608 U	< 0.0569 U	< 0.0553 U	< 0.0539 U	< 0.0527 U	< 1.09 U	< 2.85 U	< 1.08 U
Total PCB Aroclors	10	mg/kg	< 0.0530 U	< 0.0608 U	< 0.0569 U	6.53	5.35	< 0.0527 U	12.0	34.3	14.2

Notes

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Industrial/Commercial Direct Contact

Table 4B - Summary of Analytical PCB Soil Results - 2015 SRI Addendum

BASF
180 Mill Street
Cranston, RI

	Sample ID	C320	C320	C360	C360	C360	C360	C40	C60	C60
	Sample Code	N	N	N	N	FD	N	N	FD	N
	Sample Date	6/25/2013	6/25/2013	1/16/2014	1/16/2014	1/16/2014	1/16/2014	6/28/2013	6/28/2013	6/28/2013
	Sample Depth	0 - 0.5 ft	1 - 2 ft	0 - 0.5 ft	1 - 2 ft	1 - 2 ft	2 - 4 ft	2 - 4 ft	0 - 0.5 ft	0 - 0.5 ft
Parameter	I/C DEC	Units								
AROCLOR-1016	N/A	mg/kg	< 0.275 U	< 2.83 U	< 0.0522 U	< 0.0527 U	< 0.0508 U	< 0.0551 U	< 0.0526 U	< 1.04 U
AROCLOR-1221	N/A	mg/kg	< 0.275 U	< 2.83 U	< 0.0522 U	< 0.0527 U	< 0.0508 U	< 0.0551 U	< 0.0526 U	< 1.04 U
AROCLOR-1232	N/A	mg/kg	< 0.275 U	< 2.83 U	< 0.0522 U	< 0.0527 U	< 0.0508 U	< 0.0551 U	< 0.0526 U	< 1.04 U
AROCLOR-1242	N/A	mg/kg	1.71 PD	< 2.83 U	< 0.0522 U	< 0.0527 U	< 0.0508 U	< 0.0551 U	< 0.0526 U	< 1.04 U
AROCLOR-1248	N/A	mg/kg	< 0.275 U	< 2.83 U	< 0.0522 U	< 0.0527 U	< 0.0508 U	< 0.0551 U	< 0.0526 U	< 1.04 U
AROCLOR-1254	N/A	mg/kg	3.90 D	31.4 D	< 0.0522 U	< 0.0527 U	< 0.0508 U	0.250	< 0.0526 U	20.6 D
AROCLOR-1260	N/A	mg/kg	< 0.275 U	< 2.83 U	< 0.0522 U	< 0.0527 U	< 0.0508 U	0.255	< 0.0526 U	< 1.04 U
AROCLOR-1262	N/A	mg/kg	< 0.275 U	< 2.83 U	< 0.0522 U	< 0.0527 U	< 0.0508 U	< 0.0551 U	< 0.0526 U	< 1.04 U
AROCLOR-1268	N/A	mg/kg	< 0.275 U	< 2.83 U	< 0.0522 U	< 0.0527 U	< 0.0508 U	< 0.0551 U	< 0.0526 U	< 1.04 U
Total PCB Aroclors	10	mg/kg	5.61	31.4	< 0.0522 U	< 0.0527 U	< 0.0508 U	0.505	< 0.0526 U	20.6

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Industrial/Commercial Direct Contact

Table 4B - Summary of Analytical PCB Soil Results - 2015 SRI Addendum

BASF
180 Mill Street
Cranston, RI

	Sample ID	C60	C60	C60	C60	C80	C80	C80	C80
	Sample Code	FD	N	FD	N	FD	N	FD	N
	Sample Date	6/28/2013	6/28/2013	6/28/2013	6/28/2013	6/27/2013	6/27/2013	6/27/2013	6/27/2013
	Sample Depth	1 - 2 ft	1 - 2 ft	2 - 4 ft	2 - 4 ft	0 - 0.5 ft	0 - 0.5 ft	1 - 2 ft	1 - 2 ft
Parameter	I/C DEC	Units							
AROCLOR-1016	N/A	mg/kg	< 0.0513 U	< 0.0514 U	< 0.0537 U	< 0.0546 U	< 1.01 U	< 2.61 U	< 0.0545 U
AROCLOR-1221	N/A	mg/kg	< 0.0513 U	< 0.0514 U	< 0.0537 U	< 0.0546 U	< 1.01 U	< 2.61 U	< 0.0545 U
AROCLOR-1232	N/A	mg/kg	< 0.0513 U	< 0.0514 U	< 0.0537 U	< 0.0546 U	< 1.01 U	< 2.61 U	< 0.0545 U
AROCLOR-1242	N/A	mg/kg	< 0.0513 U	< 0.0514 U	< 0.0537 U	< 0.0546 U	< 1.01 U	< 2.61 U	< 0.0545 U
AROCLOR-1248	N/A	mg/kg	< 0.0513 U	< 0.0514 U	< 0.0537 U	< 0.0546 U	< 1.01 U	< 2.61 U	< 0.0545 U
AROCLOR-1254	N/A	mg/kg	0.254	0.840	0.167	0.214	8.59 D	17.8 D	0.671
AROCLOR-1260	N/A	mg/kg	< 0.0513 U	< 0.0514 U	< 0.0537 U	< 0.0546 U	< 1.01 U	< 2.61 U	< 0.0545 U
AROCLOR-1262	N/A	mg/kg	< 0.0513 U	< 0.0514 U	< 0.0537 U	< 0.0546 U	< 1.01 U	< 2.61 U	< 0.0545 U
AROCLOR-1268	N/A	mg/kg	< 0.0513 U	< 0.0514 U	< 0.0537 U	< 0.0546 U	< 1.01 U	< 2.61 U	< 0.0545 U
Total PCB Aroclors	10	mg/kg	0.254	0.840	0.167	0.214	8.59	17.8	0.671
									0.788
									0.0581

Notes

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Industrial/Commercial Direct Contact

Table 4B - Summary of Analytical PCB Soil Results - 2015 SRI Addendum

BASF
180 Mill Street
Cranston, RI

	Sample ID	C80	CC00	D0	D0	D0	D100	D120	D140	D160
	Sample Code	N	N	N	N	N	N	N	N	N
	Sample Date	6/27/2013	6/24/2013	6/28/2013	6/28/2013	6/28/2013	6/27/2013	6/27/2013	6/27/2013	6/27/2013
	Sample Depth	2 - 4 ft	0 - 0.5 ft	0 - 0.5 ft	1 - 2 ft	2 - 4 ft				
Parameter	I/C DEC	Units								
AROCLOR-1016	N/A	mg/kg	< 0.0539 U	< 0.0552 U	< 0.0545 U	< 0.0521 U	< 0.0544 U	< 0.0539 U	< 0.0528 U	< 0.0531 U
AROCLOR-1221	N/A	mg/kg	< 0.0539 U	< 0.0552 U	< 0.0545 U	< 0.0521 U	< 0.0544 U	< 0.0539 U	< 0.0528 U	< 0.0531 U
AROCLOR-1232	N/A	mg/kg	< 0.0539 U	< 0.0552 U	< 0.0545 U	< 0.0521 U	< 0.0544 U	< 0.0539 U	< 0.0528 U	< 0.0531 U
AROCLOR-1242	N/A	mg/kg	< 0.0539 U	< 0.0552 U	< 0.0545 U	< 0.0521 U	< 0.0544 U	< 0.0539 U	< 0.0528 U	< 0.0531 U
AROCLOR-1248	N/A	mg/kg	< 0.0539 U	< 0.0552 U	< 0.0545 U	< 0.0521 U	< 0.0544 U	< 0.0539 U	< 0.0528 U	< 0.0531 U
AROCLOR-1254	N/A	mg/kg	0.0687	0.500	0.424	< 0.0521 U	< 0.0544 U	3.24 D	< 0.0528 U	< 0.0531 U
AROCLOR-1260	N/A	mg/kg	< 0.0539 U	< 0.0552 U	< 0.0545 U	< 0.0521 U	< 0.0544 U	< 0.0539 U	< 0.0528 U	< 0.0531 U
AROCLOR-1262	N/A	mg/kg	< 0.0539 U	< 0.0552 U	< 0.0545 U	< 0.0521 U	< 0.0544 U	< 0.0539 U	< 0.0528 U	< 0.0531 U
AROCLOR-1268	N/A	mg/kg	< 0.0539 U	< 0.0552 U	< 0.0545 U	< 0.0521 U	< 0.0544 U	< 0.0539 U	< 0.0528 U	< 0.0531 U
Total PCB Aroclors	10	mg/kg	0.0687	0.500	0.424	< 0.0521 U	< 0.0544 U	3.24	< 0.0528 U	< 0.0531 U
										0.0896

Notes

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Industrial/Commercial Direct Contact

Table 4B - Summary of Analytical PCB Soil Results - 2015 SRI Addendum

BASF
180 Mill Street
Cranston, RI

Sample ID		D180	D20	D20	D20	D200	D220	D220	D240	D260
Sample Code		N	N	N	N	N	N	N	N	N
Sample Date		6/27/2013	6/28/2013	6/28/2013	6/28/2013	6/27/2013	6/27/2013	6/27/2013	6/25/2013	6/25/2013
Sample Depth		0 - 0.5 ft	0 - 0.5 ft	1 - 2 ft	2 - 4 ft	2 - 4 ft	2 - 4 ft	4 - 6 ft	2 - 4 ft	0 - 0.5 ft
Parameter	I/C DEC	Units								
AROCLOR-1016	N/A	mg/kg	< 0.0528 U	< 2.72 U	< 0.0513 U	< 0.0508 U	< 0.0566 U	< 2.76 U	< 5.75 U	< 1.14 U
AROCLOR-1221	N/A	mg/kg	< 0.0528 U	< 2.72 U	< 0.0513 U	< 0.0508 U	< 0.0566 U	< 2.76 U	< 5.75 U	< 1.14 U
AROCLOR-1232	N/A	mg/kg	< 0.0528 U	< 2.72 U	< 0.0513 U	< 0.0508 U	< 0.0566 U	< 2.76 U	< 5.75 U	< 1.14 U
AROCLOR-1242	N/A	mg/kg	< 0.0528 U	< 2.72 U	< 0.0513 U	< 0.0508 U	< 0.0566 U	< 2.76 U	< 5.75 U	< 1.14 U
AROCLOR-1248	N/A	mg/kg	< 0.0528 U	< 2.72 U	< 0.0513 U	< 0.0508 U	< 0.0566 U	< 2.76 U	< 5.75 U	< 1.14 U
AROCLOR-1254	N/A	mg/kg	0.971	34.9 D	1.90 D	< 0.0508 U	0.0613	16.1 D	69.7	18.4 D
AROCLOR-1260	N/A	mg/kg	< 0.0528 U	< 2.72 U	< 0.0513 U	< 0.0508 U	< 0.0566 U	< 2.76 U	< 5.75 U	< 1.14 U
AROCLOR-1262	N/A	mg/kg	< 0.0528 U	< 2.72 U	< 0.0513 U	< 0.0508 U	< 0.0566 U	< 2.76 U	< 5.75 U	< 1.14 U
AROCLOR-1268	N/A	mg/kg	< 0.0528 U	< 2.72 U	< 0.0513 U	< 0.0508 U	< 0.0566 U	< 2.76 U	< 5.75 U	< 1.14 U
Total PCB Aroclors	10	mg/kg	0.971	34.9	1.90	< 0.0508 U	0.0613	16.1	69.7	18.4

Notes

< indicates not detected above detection limits

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D = Dilution

I/C DEC = Rhode Island Department of Environmental Management

Industrial/Commercial Direct Contact

Table 4B - Summary of Analytical PCB Soil Results - 2015 SRI Addendum

BASF
180 Mill Street
Cranston, RI

	Sample ID	D260	D260	D280	D280	D280	D300	D300	D300	D300
	Sample Code	N	N	N	N	N	FD	N	FD	N
	Sample Date	6/25/2013	6/25/2013	6/25/2013	6/25/2013	6/25/2013	6/25/2013	6/25/2013	6/25/2013	6/25/2013
	Sample Depth	1 - 2 ft	2 - 4 ft	0 - 0.5 ft	1 - 2 ft	2 - 4 ft	0 - 0.5 ft	0 - 0.5 ft	1 - 2 ft	1 - 2 ft
Parameter	I/C DEC	Units								
AROCLOR-1016	N/A	mg/kg	< 0.0552 U	< 0.0559 U	< 2.80 U	< 2.84 U	< 2.92 U	< 2.59 U	< 2.70 U	< 0.0559 U
AROCLOR-1221	N/A	mg/kg	< 0.0552 U	< 0.0559 U	< 2.80 U	< 2.84 U	< 2.92 U	< 2.59 U	< 2.70 U	< 0.0559 U
AROCLOR-1232	N/A	mg/kg	< 0.0552 U	< 0.0559 U	< 2.80 U	< 2.84 U	< 2.92 U	< 2.59 U	< 2.70 U	< 0.0559 U
AROCLOR-1242	N/A	mg/kg	< 0.0552 U	< 0.0559 U	< 2.80 U	< 2.84 U	< 2.92 U	< 2.59 U	< 2.70 U	< 0.0559 U
AROCLOR-1248	N/A	mg/kg	< 0.0552 U	< 0.0559 U	< 2.80 U	< 2.84 U	< 2.92 U	< 2.59 U	< 2.70 U	< 0.0559 U
AROCLOR-1254	N/A	mg/kg	5.51 D	5.55 PD	40.2 D	26.6 D	< 2.92 U	29.3 D	30.2 D	0.209 P
AROCLOR-1260	N/A	mg/kg	< 0.0552 U	< 0.0559 U	< 2.80 U	< 2.84 U	< 2.92 U	< 2.59 U	< 2.70 U	< 0.0559 U
AROCLOR-1262	N/A	mg/kg	< 0.0552 U	< 0.0559 U	< 2.80 U	< 2.84 U	< 2.92 U	< 2.59 U	< 2.70 U	< 0.0559 U
AROCLOR-1268	N/A	mg/kg	< 0.0552 U	< 0.0559 U	< 2.80 U	< 2.84 U	< 2.92 U	< 2.59 U	< 2.70 U	< 0.0559 U
Total PCB Aroclors	10	mg/kg	5.51	5.55	40.2	26.6	< 2.92 U	29.3	30.2	0.209

Notes

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D = Dilution

I/C DEC = Rhode Island Department of Environmental Management

Industrial/Commercial Direct Contact

Table 4B - Summary of Analytical PCB Soil Results - 2015 SRI Addendum

BASF
180 Mill Street
Cranston, RI

	Sample ID	D300	D300	D320	D320	D320	D60	D60	D60	D80
	Sample Code	FD	N	N	N	N	N	N	N	N
	Sample Date	6/25/2013	6/25/2013	1/9/2014	1/9/2014	1/9/2014	6/28/2013	6/28/2013	6/28/2013	6/27/2013
	Sample Depth	2 - 4 ft	2 - 4 ft	0 - 0.5 ft	1 - 2 ft	2 - 4.75 ft	0 - 0.5 ft	1 - 2 ft	2 - 4 ft	0 - 0.5 ft
Parameter	I/C DEC	Units								
AROCLOR-1016	N/A	mg/kg	< 0.0575 U	< 0.0581 U	< 0.0522 U	< 0.0551 U	< 0.0597 U	< 0.0515 U	< 0.0530 U	< 0.0562 U
AROCLOR-1221	N/A	mg/kg	< 0.0575 U	< 0.0581 U	< 0.0522 U	< 0.0551 U	< 0.0597 U	< 0.0515 U	< 0.0530 U	< 0.0562 U
AROCLOR-1232	N/A	mg/kg	< 0.0575 U	< 0.0581 U	< 0.0522 U	< 0.0551 U	< 0.0597 U	< 0.0515 U	< 0.0530 U	< 0.0562 U
AROCLOR-1242	N/A	mg/kg	< 0.0575 U	< 0.0581 U	< 0.0522 U	< 0.0551 U	< 0.0597 U	< 0.0515 U	< 0.0530 U	< 0.0562 U
AROCLOR-1248	N/A	mg/kg	< 0.0575 U	< 0.0581 U	< 0.0522 U	< 0.0551 U	< 0.0597 U	< 0.0515 U	< 0.0530 U	< 0.0562 U
AROCLOR-1254	N/A	mg/kg	< 0.0575 U	< 0.0581 U	< 0.0522 U	1.34	< 0.0597 U	< 0.0515 U	0.249	0.273
AROCLOR-1260	N/A	mg/kg	< 0.0575 U	< 0.0581 U	< 0.0522 U	< 0.0551 U	< 0.0597 U	< 0.0515 U	< 0.0530 U	< 0.0562 U
AROCLOR-1262	N/A	mg/kg	< 0.0575 U	< 0.0581 U	< 0.0522 U	< 0.0551 U	< 0.0597 U	< 0.0515 U	< 0.0530 U	< 0.0562 U
AROCLOR-1268	N/A	mg/kg	< 0.0575 U	< 0.0581 U	< 0.0522 U	< 0.0551 U	< 0.0597 U	< 0.0515 U	< 0.0530 U	< 0.0562 U
Total PCB Aroclors	10	mg/kg	< 0.0575 U	< 0.0581 U	< 0.0522 U	1.34	< 0.0597 U	< 0.0515 U	0.249	0.273
										32.2 D

Notes

< indicates not detected above detection limits

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D = Dilution

I/C DEC = Rhode Island Department of Environmental Management

Industrial/Commercial Direct Contact

Table 4B - Summary of Analytical PCB Soil Results - 2015 SRI Addendum

BASF
180 Mill Street
Cranston, RI

Sample ID		D80	D80	DD00	E0	E0	E0	E100	E140	E160
Sample Code		N	N	N	N	N	N	N	N	N
Sample Date		6/27/2013	6/27/2013	6/24/2013	6/28/2013	6/28/2013	6/28/2013	6/27/2013	6/27/2013	6/27/2013
Sample Depth		1 - 2 ft	2 - 3 ft	0 - 0.5 ft	0 - 0.4 ft	1 - 2 ft	2 - 3 ft	2 - 4 ft	0 - 0.5 ft	0 - 0.5 ft
Parameter	I/C DEC	Units								
AROCLOR-1016	N/A	mg/kg	< 0.0512 U	< 0.0541 U	< 0.0552 U	< 0.0532 U	< 0.0520 U	< 0.0507 U	< 0.0520 U	< 0.0495 U
AROCLOR-1221	N/A	mg/kg	< 0.0512 U	< 0.0541 U	< 0.0552 U	< 0.0532 U	< 0.0520 U	< 0.0507 U	< 0.0520 U	< 0.0495 U
AROCLOR-1232	N/A	mg/kg	< 0.0512 U	< 0.0541 U	< 0.0552 U	< 0.0532 U	< 0.0520 U	< 0.0507 U	< 0.0520 U	< 0.0495 U
AROCLOR-1242	N/A	mg/kg	< 0.0512 U	< 0.0541 U	< 0.0552 U	< 0.0532 U	< 0.0520 U	< 0.0507 U	< 0.0520 U	< 0.0495 U
AROCLOR-1248	N/A	mg/kg	< 0.0512 U	< 0.0541 U	< 0.0552 U	< 0.0532 U	< 0.0520 U	< 0.0507 U	< 0.0520 U	< 0.0495 U
AROCLOR-1254	N/A	mg/kg	0.767	< 0.0541 U	0.0625	0.419	< 0.0520 U	0.0563	< 0.0520 U	< 0.0495 U
AROCLOR-1260	N/A	mg/kg	< 0.0512 U	< 0.0541 U	< 0.0552 U	< 0.0532 U	< 0.0520 U	< 0.0507 U	< 0.0520 U	< 0.0495 U
AROCLOR-1262	N/A	mg/kg	< 0.0512 U	< 0.0541 U	< 0.0552 U	< 0.0532 U	< 0.0520 U	< 0.0507 U	< 0.0520 U	< 0.0495 U
AROCLOR-1268	N/A	mg/kg	< 0.0512 U	< 0.0541 U	< 0.0552 U	< 0.0532 U	< 0.0520 U	< 0.0507 U	< 0.0520 U	< 0.0495 U
Total PCB Aroclors	10	mg/kg	0.767	< 0.0541 U	0.0625	0.419	< 0.0520 U	0.0563	< 0.0520 U	< 0.0495 U
56.6 D										

Notes

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Industrial/Commercial Direct Contact

Table 4B - Summary of Analytical PCB Soil Results - 2015 SRI Addendum

BASF
180 Mill Street
Cranston, RI

Sample ID		E180	E20	E200	E220	E220	E220	E220	E280	E280
Sample Code		N	N	N	N	N	N	N	N	N
Sample Date		6/27/2013	6/28/2013	6/27/2013	1/9/2014	1/9/2014	1/9/2014	1/9/2014	1/9/2014	1/9/2014
Sample Depth		0 - 0.5 ft	2 - 4 ft	0 - 0.5 ft	0 - 0.5 ft	1 - 2 ft	2 - 4 ft	4 - 6 ft	0 - 0.5 ft	1 - 2 ft
Parameter	I/C DEC	Units								
AROCLOR-1016	N/A	mg/kg	< 5.51 U	< 0.0542 U	< 5.45 U	< 1.33 U	< 2.89 U	< 1.12 U	< 0.0561 U	< 0.0576 U
AROCLOR-1221	N/A	mg/kg	< 5.51 U	< 0.0542 U	< 5.45 U	< 1.33 U	< 2.89 U	< 1.12 U	< 0.0561 U	< 0.0576 U
AROCLOR-1232	N/A	mg/kg	< 5.51 U	< 0.0542 U	< 5.45 U	< 1.33 U	< 2.89 U	< 1.12 U	< 0.0561 U	< 0.0576 U
AROCLOR-1242	N/A	mg/kg	< 5.51 U	< 0.0542 U	< 5.45 U	< 1.33 U	< 2.89 U	< 1.12 U	< 0.0561 U	< 0.0576 U
AROCLOR-1248	N/A	mg/kg	< 5.51 U	< 0.0542 U	< 5.45 U	< 1.33 U	< 2.89 U	< 1.12 U	< 0.0561 U	< 0.0576 U
AROCLOR-1254	N/A	mg/kg	60.9 D	< 0.0542 U	67.4 D	17.2	22.5	14.8	9.69 D	0.817
AROCLOR-1260	N/A	mg/kg	< 5.51 U	< 0.0542 U	< 5.45 U	< 1.33 U	< 2.89 U	< 1.12 U	< 0.0561 U	< 0.0576 U
AROCLOR-1262	N/A	mg/kg	< 5.51 U	< 0.0542 U	< 5.45 U	< 1.33 U	< 2.89 U	< 1.12 U	< 0.0561 U	< 0.0576 U
AROCLOR-1268	N/A	mg/kg	< 5.51 U	< 0.0542 U	< 5.45 U	< 1.33 U	< 2.89 U	< 1.12 U	< 0.0561 U	< 0.0576 U
Total PCB Aroclors	10	mg/kg	60.9	< 0.0542 U	67.4	17.2	22.5	14.8	9.69	0.817

Notes

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Industrial/Commercial Direct Contact

Table 4B - Summary of Analytical PCB Soil Results - 2015 SRI Addendum

BASF
180 Mill Street
Cranston, RI

Sample ID			E280	E280	E300	E300	E300	E300	E320	E320	E320
Sample Code			N	N	N	N	N	N	N	N	N
Sample Date			1/9/2014	1/9/2014	1/9/2014	1/9/2014	1/9/2014	1/9/2014	1/9/2014	1/9/2014	1/9/2014
Sample Depth			2 - 4 ft	4 - 6 ft	0 - 0.5 ft	1 - 2 ft	2 - 4 ft	4 - 6 ft	2 - 4 ft	1 - 2 ft	0 - 0.5 ft
Parameter	I/C DEC	Units									
AROCLOR-1016	N/A	mg/kg	< 1.19 U	< 0.562 U	< 0.0500 U	< 1.10 U	< 2.82 U	< 1.07 U	< 0.0568 U	< 1.12 U	< 0.0522 U
AROCLOR-1221	N/A	mg/kg	< 1.19 U	< 0.562 U	< 0.0500 U	< 1.10 U	< 2.82 U	< 1.07 U	< 0.0568 U	< 1.12 U	< 0.0522 U
AROCLOR-1232	N/A	mg/kg	< 1.19 U	< 0.562 U	< 0.0500 U	< 1.10 U	< 2.82 U	< 1.07 U	< 0.0568 U	< 1.12 U	< 0.0522 U
AROCLOR-1242	N/A	mg/kg	< 1.19 U	< 0.562 U	< 0.0500 U	< 1.10 U	< 2.82 U	< 1.07 U	< 0.0568 U	< 1.12 U	< 0.0522 U
AROCLOR-1248	N/A	mg/kg	< 1.19 U	< 0.562 U	< 0.0500 U	< 1.10 U	< 2.82 U	< 1.07 U	< 0.0568 U	< 1.12 U	< 0.0522 U
AROCLOR-1254	N/A	mg/kg	< 1.19 U	< 0.562 U	0.0826	7.79	32.0	< 1.07 U	< 0.0568 U	11.4	0.309
AROCLOR-1260	N/A	mg/kg	< 1.19 U	< 0.562 U	< 0.0500 U	< 1.10 U	< 2.82 U	< 1.07 U	< 0.0568 U	< 1.12 U	< 0.0522 U
AROCLOR-1262	N/A	mg/kg	< 1.19 U	< 0.562 U	< 0.0500 U	< 1.10 U	< 2.82 U	< 1.07 U	< 0.0568 U	< 1.12 U	< 0.0522 U
AROCLOR-1268	N/A	mg/kg	< 1.19 U	< 0.562 U	< 0.0500 U	< 1.10 U	< 2.82 U	< 1.07 U	< 0.0568 U	< 1.12 U	< 0.0522 U
Total PCB Aroclors	10	mg/kg	< 1.19 U	< 0.562 U	0.0826	7.79	32.0	< 1.07 U	< 0.0568 U	11.4	0.309

Notes

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Industrial/Commercial Direct Contact

Table 4B - Summary of Analytical PCB Soil Results - 2015 SRI Addendum

BASF
180 Mill Street
Cranston, RI

Sample ID		E320	E40	E60	E80	EE00	F0	F100	F120	F160
Sample Code		FD	N	N	N	N	N	N	N	N
Sample Date		1/9/2014	6/28/2013	6/28/2013	6/27/2013	6/24/2013	6/28/2013	6/26/2013	6/26/2013	6/26/2013
Sample Depth		1 - 2 ft	2 - 4 ft	2 - 4 ft	2 - 4 ft	0 - 0.5 ft	2 - 4 ft	2 - 4 ft	2 - 4 ft	0 - 0.5 ft
Parameter	I/C DEC	Units								
AROCLOR-1016	N/A	mg/kg	< 1.20 U	< 0.0551 U	< 0.0576 U	< 0.0507 U	< 0.0548 U	< 0.0590 U	< 0.0555 U	< 0.0557 U
AROCLOR-1221	N/A	mg/kg	< 1.20 U	< 0.0551 U	< 0.0576 U	< 0.0507 U	< 0.0548 U	< 0.0590 U	< 0.0555 U	< 0.0557 U
AROCLOR-1232	N/A	mg/kg	< 1.20 U	< 0.0551 U	< 0.0576 U	< 0.0507 U	< 0.0548 U	< 0.0590 U	< 0.0555 U	< 0.0557 U
AROCLOR-1242	N/A	mg/kg	< 1.20 U	< 0.0551 U	< 0.0576 U	< 0.0507 U	< 0.0548 U	< 0.0590 U	< 0.0555 U	< 0.0557 U
AROCLOR-1248	N/A	mg/kg	< 1.20 U	< 0.0551 U	< 0.0576 U	< 0.0507 U	< 0.0548 U	0.439	0.555	< 0.0557 U
AROCLOR-1254	N/A	mg/kg	10.2	< 0.0551 U	0.652	0.204	0.0758	0.613	0.789	3.00 D
AROCLOR-1260	N/A	mg/kg	3.44	< 0.0551 U	< 0.0576 U	< 0.0507 U	< 0.0548 U	< 0.0590 U	< 0.0555 U	1.29 D
AROCLOR-1262	N/A	mg/kg	< 1.20 U	< 0.0551 U	< 0.0576 U	< 0.0507 U	< 0.0548 U	< 0.0590 U	< 0.0555 U	< 0.0557 U
AROCLOR-1268	N/A	mg/kg	< 1.20 U	< 0.0551 U	< 0.0576 U	< 0.0507 U	< 0.0548 U	< 0.0590 U	< 0.0555 U	< 0.0557 U
Total PCB Aroclors	10	mg/kg	13.6	< 0.0551 U	0.652	0.204	0.0758	1.05	1.34	4.29
										16.0

Notes

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Industrial/Commercial Direct Contact

Table 4B - Summary of Analytical PCB Soil Results - 2015 SRI Addendum

BASF
180 Mill Street
Cranston, RI

Sample ID			F160	F160	F180	F180	F180	F200	F200	F200	F240
Sample Code			N	N	N	N	N	N	N	N	N
Sample Date			6/26/2013	6/26/2013	6/26/2013	6/26/2013	6/26/2013	6/26/2013	6/26/2013	6/26/2013	6/25/2013
Sample Depth			1 - 2 ft	2 - 4 ft	0 - 0.5 ft	1 - 2 ft	2 - 4 ft	0 - 0.5 ft	1 - 2 ft	2 - 4 ft	0 - 0.5 ft
Parameter	I/C DEC	Units									
AROCLOR-1016	N/A	mg/kg	< 0.0556 U	< 0.0534 U	< 2.87 U	< 2.62 U	< 0.0546 U	< 2.74 U	< 2.74 U	< 0.0563 U	< 0.0514 U
AROCLOR-1221	N/A	mg/kg	< 0.0556 U	< 0.0534 U	< 2.87 U	< 2.62 U	< 0.0546 U	< 2.74 U	< 2.74 U	< 0.0563 U	< 0.0514 U
AROCLOR-1232	N/A	mg/kg	< 0.0556 U	< 0.0534 U	< 2.87 U	< 2.62 U	< 0.0546 U	< 2.74 U	< 2.74 U	< 0.0563 U	< 0.0514 U
AROCLOR-1242	N/A	mg/kg	< 0.0556 U	< 0.0534 U	< 2.87 U	< 2.62 U	< 0.0546 U	< 2.74 U	< 2.74 U	< 0.0563 U	< 0.0514 U
AROCLOR-1248	N/A	mg/kg	1.75 D	< 0.0534 U	16.2 D	< 2.62 U	< 0.0546 U	< 2.74 U	< 2.74 U	< 0.0563 U	< 0.0514 U
AROCLOR-1254	N/A	mg/kg	3.43 D	0.667	40.2 D	36.8 D	2.11 D	22.2 D	30.3 D	0.486	2.89 D
AROCLOR-1260	N/A	mg/kg	< 0.0556 U	< 0.0534 U	< 2.87 U	< 2.62 U	< 0.0546 U	< 2.74 U	< 2.74 U	< 0.0563 U	< 0.0514 U
AROCLOR-1262	N/A	mg/kg	< 0.0556 U	< 0.0534 U	< 2.87 U	< 2.62 U	< 0.0546 U	< 2.74 U	< 2.74 U	< 0.0563 U	< 0.0514 U
AROCLOR-1268	N/A	mg/kg	< 0.0556 U	< 0.0534 U	< 2.87 U	< 2.62 U	< 0.0546 U	< 2.74 U	< 2.74 U	< 0.0563 U	< 0.0514 U
Total PCB Aroclors	10	mg/kg	5.18	0.667	56.4	36.8	2.11	22.2	30.3	0.486	2.89

Notes

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D = Dilution

I/C DEC = Rhode Island Department of Environmental Management

Industrial/Commercial Direct Contact

Table 4B - Summary of Analytical PCB Soil Results - 2015 SRI Addendum

BASF
180 Mill Street
Cranston, RI

Sample ID			F240	F240	F260	F260	F260	F320	F320	F320	F360
Sample Code			N	N	N	N	N	N	N	N	N
Sample Date			6/25/2013	6/25/2013	6/25/2013	6/25/2013	6/25/2013	1/9/2014	1/9/2014	1/9/2014	1/9/2014
Sample Depth			1 - 2 ft	2 - 4 ft	0 - 0.5 ft	1 - 2 ft	2 - 4 ft	0 - 0.5 ft	1 - 2 ft	2 - 4 ft	0 - 0.5 ft
Parameter	I/C DEC	Units									
AROCLOR-1016	N/A	mg/kg	< 0.0522 U	< 0.0570 U	< 2.67 U	< 0.0520 U	< 0.0535 U	< 0.0545 U	< 0.0541 U	< 0.0583 U	< 0.0533 U
AROCLOR-1221	N/A	mg/kg	< 0.0522 U	< 0.0570 U	< 2.67 U	< 0.0520 U	< 0.0535 U	< 0.0545 U	< 0.0541 U	< 0.0583 U	< 0.0533 U
AROCLOR-1232	N/A	mg/kg	< 0.0522 U	< 0.0570 U	< 2.67 U	< 0.0520 U	< 0.0535 U	< 0.0545 U	< 0.0541 U	< 0.0583 U	< 0.0533 U
AROCLOR-1242	N/A	mg/kg	< 0.0522 U	< 0.0570 U	< 2.67 U	< 0.0520 U	< 0.0535 U	< 0.0545 U	< 0.0541 U	< 0.0583 U	< 0.0533 U
AROCLOR-1248	N/A	mg/kg	< 0.0522 U	< 0.0570 U	< 2.67 U	< 0.0520 U	< 0.0535 U	< 0.0545 U	< 0.0541 U	< 0.0583 U	< 0.0533 U
AROCLOR-1254	N/A	mg/kg	0.155	< 0.0570 U	23.1 D	0.162	0.239	3.10	0.284	< 0.0583 U	0.432
AROCLOR-1260	N/A	mg/kg	< 0.0522 U	< 0.0570 U	< 2.67 U	< 0.0520 U	< 0.0535 U	< 0.0545 U	< 0.0541 U	0.0890	< 0.0533 U
AROCLOR-1262	N/A	mg/kg	< 0.0522 U	< 0.0570 U	< 2.67 U	< 0.0520 U	< 0.0535 U	< 0.0545 U	< 0.0541 U	< 0.0583 U	< 0.0533 U
AROCLOR-1268	N/A	mg/kg	< 0.0522 U	< 0.0570 U	< 2.67 U	< 0.0520 U	< 0.0535 U	< 0.0545 U	< 0.0541 U	< 0.0583 U	< 0.0533 U
Total PCB Aroclors	10	mg/kg	0.155	< 0.0570 U	23.1	0.162	0.239	3.10	0.284	0.0890	0.432

Notes

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D = Dilution

I/C DEC = Rhode Island Department of Environmental Management

Industrial/Commercial Direct Contact

Table 4B - Summary of Analytical PCB Soil Results - 2015 SRI Addendum

BASF
180 Mill Street
Cranston, RI

	Sample ID	F360	F360	F380	F380	F380	F60	F80	FF00	G100
	Sample Code	N	N	N	N	N	N	N	N	N
	Sample Date	1/9/2014	1/9/2014	1/9/2014	1/9/2014	1/9/2014	6/28/2013	6/26/2013	6/24/2013	6/26/2013
	Sample Depth	1 - 2 ft	2 - 4 ft	0 - 0.5 ft	1 - 2 ft	2 - 4 ft	2 - 4 ft	2 - 4 ft	0 - 0.5 ft	2 - 4 ft
Parameter	I/C DEC	Units								
AROCLOR-1016	N/A	mg/kg	< 0.0564 U	< 0.0580 U	< 0.0534 U	< 0.0550 U	< 0.0558 U	< 0.0569 U	< 0.0531 U	< 0.0520 U
AROCLOR-1221	N/A	mg/kg	< 0.0564 U	< 0.0580 U	< 0.0534 U	< 0.0550 U	< 0.0558 U	< 0.0569 U	< 0.0531 U	< 0.0520 U
AROCLOR-1232	N/A	mg/kg	< 0.0564 U	< 0.0580 U	< 0.0534 U	< 0.0550 U	< 0.0558 U	< 0.0569 U	< 0.0531 U	< 0.0520 U
AROCLOR-1242	N/A	mg/kg	< 0.0564 U	< 0.0580 U	< 0.0534 U	< 0.0550 U	< 0.0558 U	< 0.0569 U	< 0.0531 U	< 0.0520 U
AROCLOR-1248	N/A	mg/kg	< 0.0564 U	< 0.0580 U	< 0.0534 U	< 0.0550 U	< 0.0558 U	< 0.0569 U	< 0.0531 U	< 0.0520 U
AROCLOR-1254	N/A	mg/kg	0.289	0.305	0.133	0.326	< 0.0558 U	0.571	0.123	< 0.0520 U
AROCLOR-1260	N/A	mg/kg	< 0.0564 U	< 0.0580 U	< 0.0534 U	< 0.0550 U	< 0.0558 U	< 0.0569 U	< 0.0531 U	< 0.0520 U
AROCLOR-1262	N/A	mg/kg	< 0.0564 U	< 0.0580 U	< 0.0534 U	< 0.0550 U	< 0.0558 U	< 0.0569 U	< 0.0531 U	< 0.0520 U
AROCLOR-1268	N/A	mg/kg	< 0.0564 U	< 0.0580 U	< 0.0534 U	< 0.0550 U	< 0.0558 U	< 0.0569 U	< 0.0531 U	< 0.0520 U
Total PCB Aroclors	10	mg/kg	0.289	0.305	0.133	0.326	< 0.0558 U	0.571	0.123	< 0.0520 U
										24.8

Notes

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Industrial/Commercial Direct Contact

Table 4B - Summary of Analytical PCB Soil Results - 2015 SRI Addendum

BASF
180 Mill Street
Cranston, RI

	Sample ID	G140	G140	G140	G180	G180	G180	G20	G200	G200
	Sample Code	N	N	N	N	N	N	N	N	N
	Sample Date	6/26/2013	6/26/2013	6/26/2013	6/26/2013	6/26/2013	6/26/2013	6/28/2013	6/26/2013	6/26/2013
	Sample Depth	0 - 0.5 ft	1 - 2 ft	2 - 4 ft	0 - 0.5 ft	1 - 2 ft	2 - 4 ft	2 - 4 ft	0 - 0.5 ft	1 - 2 ft
Parameter	I/C DEC	Units								
AROCLOR-1016	N/A	mg/kg	< 2.69 U	< 0.0529 U	< 0.0535 U	< 2.67 U	< 2.79 U	< 0.0529 U	< 0.0670 U	< 0.0535 U
AROCLOR-1221	N/A	mg/kg	< 2.69 U	< 0.0529 U	< 0.0535 U	< 2.67 U	< 2.79 U	< 0.0529 U	< 0.0670 U	< 0.0535 U
AROCLOR-1232	N/A	mg/kg	< 2.69 U	< 0.0529 U	< 0.0535 U	< 2.67 U	< 2.79 U	< 0.0529 U	< 0.0670 U	< 0.0535 U
AROCLOR-1242	N/A	mg/kg	< 2.69 U	< 0.0529 U	< 0.0535 U	< 2.67 U	4.67 D	< 0.0529 U	< 0.0670 U	< 0.0535 U
AROCLOR-1248	N/A	mg/kg	< 2.69 U	< 0.0529 U	< 0.0535 U	< 2.67 U	< 2.79 U	< 0.0529 U	1.19	< 0.0535 U
AROCLOR-1254	N/A	mg/kg	19.4 D	1.03	0.846	16.5 D	22.6 D	0.0799	< 0.0670 U	1.65 D
AROCLOR-1260	N/A	mg/kg	< 2.69 U	< 0.0529 U	< 0.0535 U	< 2.67 U	< 2.79 U	< 0.0529 U	< 0.0670 U	< 0.0535 U
AROCLOR-1262	N/A	mg/kg	< 2.69 U	< 0.0529 U	< 0.0535 U	< 2.67 U	< 2.79 U	< 0.0529 U	< 0.0670 U	< 0.0535 U
AROCLOR-1268	N/A	mg/kg	< 2.69 U	< 0.0529 U	< 0.0535 U	< 2.67 U	< 2.79 U	< 0.0529 U	< 0.0670 U	< 0.0535 U
Total PCB Aroclors	10	mg/kg	19.4	1.03	0.846	16.5	27.3	0.0799	1.19	1.65

Notes

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Industrial/Commercial Direct Contact

Table 4B - Summary of Analytical PCB Soil Results - 2015 SRI Addendum

BASF
 180 Mill Street
 Cranston, RI

			Sample ID	G200	G240	G240	G240	G240	G260	G260	G260	G260	G260
			Sample Code	N	N	N	N	N	N	N	N	N	N
			Sample Date	6/26/2013	6/25/2013	6/25/2013	6/25/2013	6/25/2013	6/25/2013	6/25/2013	6/25/2013	6/25/2013	6/25/2013
			Sample Depth	2 - 4 ft	0 - 0.5 ft	1 - 2 ft	2 - 4 ft	4 - 6 ft	0 - 0.5 ft	1 - 2 ft	2 - 4 ft	4 - 6 ft	
Parameter	I/C DEC	Units											
AROCLOR-1016	N/A	mg/kg	< 0.0502 U	< 0.0554 U	< 0.0591 U	< 0.0610 U	< 0.0547 U	< 2.77 U	< 0.0523 U	< 0.0577 U	< 0.0532 U		
AROCLOR-1221	N/A	mg/kg	< 0.0502 U	< 0.0554 U	< 0.0591 U	< 0.0610 U	< 0.0547 U	< 2.77 U	< 0.0523 U	< 0.0577 U	< 0.0532 U		
AROCLOR-1232	N/A	mg/kg	< 0.0502 U	< 0.0554 U	< 0.0591 U	< 0.0610 U	< 0.0547 U	< 2.77 U	< 0.0523 U	< 0.0577 U	< 0.0532 U		
AROCLOR-1242	N/A	mg/kg	< 0.0502 U	< 0.0554 U	< 0.0591 U	< 0.0610 U	< 0.0547 U	< 2.77 U	< 0.0523 U	< 0.0577 U	< 0.0532 U		
AROCLOR-1248	N/A	mg/kg	< 0.0502 U	< 0.0554 U	< 0.0591 U	< 0.0610 U	< 0.0547 U	< 2.77 U	< 0.0523 U	< 0.0577 U	< 0.0532 U		
AROCLOR-1254	N/A	mg/kg	2.78 D	1.41 D	< 0.0591 U	< 0.0610 U	< 0.0547 U	26.0 D	< 0.0523 U	< 0.0577 U	< 0.0532 U		
AROCLOR-1260	N/A	mg/kg	< 0.0502 U	< 0.0554 U	< 0.0591 U	< 0.0610 U	< 0.0547 U	< 2.77 U	< 0.0523 U	< 0.0577 U	< 0.0532 U		
AROCLOR-1262	N/A	mg/kg	< 0.0502 U	< 0.0554 U	< 0.0591 U	< 0.0610 U	< 0.0547 U	< 2.77 U	< 0.0523 U	< 0.0577 U	< 0.0532 U		
AROCLOR-1268	N/A	mg/kg	< 0.0502 U	< 0.0554 U	< 0.0591 U	< 0.0610 U	< 0.0547 U	< 2.77 U	< 0.0523 U	< 0.0577 U	< 0.0532 U		
Total PCB Aroclors	10	mg/kg	2.78	1.41	< 0.0591 U	< 0.0610 U	< 0.0547 U	26.0	< 0.0523 U	< 0.0577 U	< 0.0532 U		

Notes

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Industrial/Commercial Direct Contact

Table 4B - Summary of Analytical PCB Soil Results - 2015 SRI Addendum

BASF
180 Mill Street
Cranston, RI

Sample ID			G280	G280	G300	G300	G320	G320	G340	G340	G360
Sample Code			N	N	N	N	N	N	N	N	N
Sample Date			6/25/2013	6/25/2013	6/25/2013	6/25/2013	6/25/2013	6/25/2013	6/25/2013	6/25/2013	6/25/2013
Sample Depth			0 - 0.5 ft	1 - 2 ft	0 - 0.5 ft	1 - 2 ft	0 - 0.5 ft	1 - 2 ft	0 - 0.5 ft	1 - 2 ft	0 - 0.5 ft
Parameter	I/C DEC	Units									
AROCLOR-1016	N/A	mg/kg	< 2.77 U	< 5.60 U	< 1.09 U	< 0.0545 U	< 0.0514 U	< 0.0508 U	< 0.0615 U	< 0.0577 U	< 0.543 U
AROCLOR-1221	N/A	mg/kg	< 2.77 U	< 5.60 U	< 1.09 U	< 0.0545 U	< 0.0514 U	< 0.0508 U	< 0.0615 U	< 0.0577 U	< 0.543 U
AROCLOR-1232	N/A	mg/kg	< 2.77 U	< 5.60 U	< 1.09 U	< 0.0545 U	< 0.0514 U	< 0.0508 U	< 0.0615 U	< 0.0577 U	< 0.543 U
AROCLOR-1242	N/A	mg/kg	< 2.77 U	< 5.60 U	< 1.09 U	6.21 D	< 0.0514 U	0.337	< 0.0615 U	< 0.0577 U	< 0.543 U
AROCLOR-1248	N/A	mg/kg	< 2.77 U	< 5.60 U	< 1.09 U	< 0.0545 U	< 0.0514 U	< 0.0508 U	< 0.0615 U	< 0.0577 U	< 0.543 U
AROCLOR-1254	N/A	mg/kg	30.9 D	72.3 D	16.1 D	5.09 D	2.15 D	0.257	3.54 D	< 0.0577 U	6.89 D
AROCLOR-1260	N/A	mg/kg	< 2.77 U	< 5.60 U	< 1.09 U	< 0.0545 U	< 0.0514 U	< 0.0508 U	< 0.0615 U	< 0.0577 U	< 0.543 U
AROCLOR-1262	N/A	mg/kg	< 2.77 U	< 5.60 U	< 1.09 U	< 0.0545 U	< 0.0514 U	< 0.0508 U	< 0.0615 U	< 0.0577 U	< 0.543 U
AROCLOR-1268	N/A	mg/kg	< 2.77 U	< 5.60 U	< 1.09 U	< 0.0545 U	< 0.0514 U	< 0.0508 U	< 0.0615 U	< 0.0577 U	< 0.543 U
Total PCB Aroclors	10	mg/kg	30.9	72.3	16.1	11.3	2.15	0.594	3.54	< 0.0577 U	6.89

Notes

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Industrial/Commercial Direct Contact

Table 4B - Summary of Analytical PCB Soil Results - 2015 SRI Addendum

BASF
180 Mill Street
Cranston, RI

Sample ID			G360	G380	G380	G40	G40	G60	G80	H100	H120
Sample Code			N	N	N	N	N	N	N	N	N
Sample Date			6/25/2013	1/9/2014	1/9/2014	6/28/2013	6/28/2013	6/28/2013	6/26/2013	6/26/2013	6/26/2013
Sample Depth			1 - 2 ft	0 - 0.5 ft	1 - 2 ft	2 - 4 ft	4 - 6 ft	2 - 4 ft	2 - 4 ft	0 - 0.5 ft	0 - 0.5 ft
Parameter	I/C DEC	Units									
AROCLO-1016	N/A	mg/kg	< 0.0527 U	< 0.0564 U	< 0.0562 U	< 1.14 U	< 0.0613 U	< 0.0524 U	< 0.0540 U	< 1.03 U	< 0.0513 U
AROCLO-1221	N/A	mg/kg	< 0.0527 U	< 0.0564 U	< 0.0562 U	< 1.14 U	< 0.0613 U	< 0.0524 U	< 0.0540 U	< 1.03 U	< 0.0513 U
AROCLO-1232	N/A	mg/kg	< 0.0527 U	< 0.0564 U	< 0.0562 U	< 1.14 U	< 0.0613 U	< 0.0524 U	< 0.0540 U	< 1.03 U	< 0.0513 U
AROCLO-1242	N/A	mg/kg	< 0.0527 U	< 0.0564 U	< 0.0562 U	< 1.14 U	4.82	< 0.0524 U	< 0.0540 U	< 1.03 U	< 0.0513 U
AROCLO-1248	N/A	mg/kg	< 0.0527 U	< 0.0564 U	< 0.0562 U	11.0 D	< 0.0613 U	2.40 D	< 0.0540 U	< 1.03 U	< 0.0513 U
AROCLO-1254	N/A	mg/kg	0.157	1.90	< 0.0562 U	< 1.14 U	< 0.0613 U	2.75 D	< 0.0540 U	10.7 D	7.23 D
AROCLO-1260	N/A	mg/kg	< 0.0527 U	0.444	< 0.0562 U	< 1.14 U	< 0.0613 U	< 0.0524 U	< 0.0540 U	< 1.03 U	< 0.0513 U
AROCLO-1262	N/A	mg/kg	< 0.0527 U	< 0.0564 U	< 0.0562 U	< 1.14 U	< 0.0613 U	< 0.0524 U	< 0.0540 U	< 1.03 U	< 0.0513 U
AROCLO-1268	N/A	mg/kg	< 0.0527 U	< 0.0564 U	< 0.0562 U	< 1.14 U	< 0.0613 U	< 0.0524 U	< 0.0540 U	< 1.03 U	< 0.0513 U
Total PCB Aroclors	10	mg/kg	0.157	2.34	< 0.0562 U	11.0	4.82	5.15	< 0.0540 U	10.7	7.23

Notes

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Industrial/Commercial Direct Contact

Table 4B - Summary of Analytical PCB Soil Results - 2015 SRI Addendum

BASF
180 Mill Street
Cranston, RI

Sample ID			H120	H120	H140	H140	H140	H180	H180	H20	H20
Sample Code			N	N	N	N	N	N	N	N	N
Sample Date			6/26/2013	6/26/2013	6/26/2013	6/26/2013	6/26/2013	6/26/2013	6/26/2013	6/28/2013	6/28/2013
Sample Depth			1 - 2 ft	2 - 4 ft	0 - 0.5 ft	1 - 2 ft	2 - 4 ft	0 - 0.5 ft	1 - 2 ft	2 - 4 ft	4 - 6 ft
Parameter	I/C DEC	Units									
AROCLOR-1016	N/A	mg/kg	< 0.0506 U	< 0.0523 U	< 0.0512 U	< 0.0520 U	< 0.0530 U	< 1.04 U	< 1.04 U	< 2.75 U	< 0.0544 U
AROCLOR-1221	N/A	mg/kg	< 0.0506 U	< 0.0523 U	< 0.0512 U	< 0.0520 U	< 0.0530 U	< 1.04 U	< 1.04 U	< 2.75 U	< 0.0544 U
AROCLOR-1232	N/A	mg/kg	< 0.0506 U	< 0.0523 U	< 0.0512 U	< 0.0520 U	< 0.0530 U	< 1.04 U	< 1.04 U	< 2.75 U	< 0.0544 U
AROCLOR-1242	N/A	mg/kg	< 0.0506 U	< 0.0523 U	< 0.0512 U	< 0.0520 U	< 0.0530 U	< 1.04 U	< 1.04 U	< 2.75 U	< 0.0544 U
AROCLOR-1248	N/A	mg/kg	< 0.0506 U	< 0.0523 U	< 0.0512 U	< 0.0520 U	< 0.0530 U	< 1.04 U	< 1.04 U	41.7 D	1.43
AROCLOR-1254	N/A	mg/kg	1.36 D	< 0.0523 U	6.09 D	5.77 D	0.859	8.19 D	14.0 D	< 2.75 U	< 0.0544 U
AROCLOR-1260	N/A	mg/kg	< 0.0506 U	< 0.0523 U	< 0.0512 U	< 0.0520 U	< 0.0530 U	< 1.04 U	< 1.04 U	< 2.75 U	< 0.0544 U
AROCLOR-1262	N/A	mg/kg	< 0.0506 U	< 0.0523 U	< 0.0512 U	< 0.0520 U	< 0.0530 U	< 1.04 U	< 1.04 U	< 2.75 U	< 0.0544 U
AROCLOR-1268	N/A	mg/kg	< 0.0506 U	< 0.0523 U	< 0.0512 U	< 0.0520 U	< 0.0530 U	< 1.04 U	< 1.04 U	< 2.75 U	< 0.0544 U
Total PCB Aroclors	10	mg/kg	1.36	< 0.0523 U	6.09	5.77	0.859	8.19	14.0	41.7	1.43

Notes

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Industrial/Commercial Direct Contact

Table 4B - Summary of Analytical PCB Soil Results - 2015 SRI Addendum

BASF
180 Mill Street
Cranston, RI

Sample ID			H200	H200	H200	H200	H240	H240	H240	H240
Sample Code			N	N	N	N	FD	N	FD	N
Sample Date			6/26/2013	6/26/2013	6/26/2013	6/26/2013	6/26/2013	6/26/2013	6/26/2013	6/26/2013
Sample Depth			0 - 0.5 ft	1 - 2 ft	2 - 4 ft	4 - 6 ft	0 - 0.5 ft	0 - 0.5 ft	1 - 2 ft	1 - 2 ft
Parameter	I/C DEC	Units								
AROCLOR-1016	N/A	mg/kg	< 1.05 U	< 1.03 U	< 0.0507 U	< 0.0551 U	< 0.0526 U	< 0.0508 U	< 2.88 U	< 2.79 U
AROCLOR-1221	N/A	mg/kg	< 1.05 U	< 1.03 U	< 0.0507 U	< 0.0551 U	< 0.0526 U	< 0.0508 U	< 2.88 U	< 2.79 U
AROCLOR-1232	N/A	mg/kg	< 1.05 U	< 1.03 U	< 0.0507 U	< 0.0551 U	< 0.0526 U	< 0.0508 U	< 2.88 U	< 2.79 U
AROCLOR-1242	N/A	mg/kg	< 1.05 U	< 1.03 U	< 0.0507 U	< 0.0551 U	< 0.0526 U	< 0.0508 U	< 2.88 U	< 2.79 U
AROCLOR-1248	N/A	mg/kg	< 1.05 U	< 1.03 U	< 0.0507 U	< 0.0551 U	< 0.0526 U	0.0918	< 2.88 U	< 2.79 U
AROCLOR-1254	N/A	mg/kg	8.87 D	11.6 D	0.0556	< 0.0551 U	0.169	0.266	24.0 D	30.4 D
AROCLOR-1260	N/A	mg/kg	< 1.05 U	< 1.03 U	< 0.0507 U	< 0.0551 U	< 0.0526 U	< 0.0508 U	< 2.88 U	< 2.79 U
AROCLOR-1262	N/A	mg/kg	< 1.05 U	< 1.03 U	< 0.0507 U	< 0.0551 U	< 0.0526 U	< 0.0508 U	< 2.88 U	< 2.79 U
AROCLOR-1268	N/A	mg/kg	< 1.05 U	< 1.03 U	< 0.0507 U	< 0.0551 U	< 0.0526 U	< 0.0508 U	< 2.88 U	< 2.79 U
Total PCB Aroclors	10	mg/kg	8.87	11.6	0.0556	< 0.0551 U	0.169	0.358	24.0	30.4

Notes

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Industrial/Commercial Direct Contact

Table 4B - Summary of Analytical PCB Soil Results - 2015 SRI Addendum

BASF
180 Mill Street
Cranston, RI

	Sample ID	H240	H260	H260	H260	H260	H280	H280	H280	H280
	Sample Code	N	N	N	N	N	N	N	N	N
	Sample Date	6/26/2013	6/26/2013	6/26/2013	6/26/2013	6/26/2013	6/26/2013	6/26/2013	6/26/2013	6/26/2013
	Sample Depth	4 - 6 ft	0 - 0.5 ft	1 - 2 ft	2 - 4 ft	4 - 6 ft	0 - 0.5 ft	1 - 2 ft	2 - 4 ft	4 - 6 ft
Parameter	I/C DEC	Units								
AROCLOR-1016	N/A	mg/kg	< 0.0611 U	< 0.0534 U	< 5.64 U	< 0.0558 U	< 0.0554 U	< 5.69 U	< 5.70 U	< 5.74 U
AROCLOR-1221	N/A	mg/kg	< 0.0611 U	< 0.0534 U	< 5.64 U	< 0.0558 U	< 0.0554 U	< 5.69 U	< 5.70 U	< 5.74 U
AROCLOR-1232	N/A	mg/kg	< 0.0611 U	< 0.0534 U	< 5.64 U	< 0.0558 U	< 0.0554 U	< 5.69 U	< 5.70 U	< 5.74 U
AROCLOR-1242	N/A	mg/kg	< 0.0611 U	< 0.0534 U	< 5.64 U	< 0.0558 U	< 0.0554 U	< 5.69 U	< 5.70 U	< 5.74 U
AROCLOR-1248	N/A	mg/kg	< 0.0611 U	< 0.0534 U	< 5.64 U	< 0.0558 U	< 0.0554 U	< 5.69 U	< 5.70 U	< 5.74 U
AROCLOR-1254	N/A	mg/kg	< 0.0611 U	1.00	54.0 D	< 0.0558 U	< 0.0554 U	45.5 D	103 D	89.7 D
AROCLOR-1260	N/A	mg/kg	< 0.0611 U	< 0.0534 U	< 5.64 U	< 0.0558 U	< 0.0554 U	< 5.69 U	< 5.70 U	< 5.74 U
AROCLOR-1262	N/A	mg/kg	< 0.0611 U	< 0.0534 U	< 5.64 U	< 0.0558 U	< 0.0554 U	< 5.69 U	< 5.70 U	< 5.74 U
AROCLOR-1268	N/A	mg/kg	< 0.0611 U	< 0.0534 U	< 5.64 U	< 0.0558 U	< 0.0554 U	< 5.69 U	< 5.70 U	< 5.74 U
Total PCB Aroclors	10	mg/kg	< 0.0611 U	1.00	54.0	< 0.0558 U	< 0.0554 U	45.5	103	89.7

Notes

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D = Dilution

I/C DEC = Rhode Island Department of Environmental Management

Industrial/Commercial Direct Contact

Table 4B - Summary of Analytical PCB Soil Results - 2015 SRI Addendum

BASF
180 Mill Street
Cranston, RI

Sample ID		H300	H300	H300	H300	H340	H340	H360	H360	H380
Sample Code		N	N	N	N	N	N	N	N	N
Sample Date		6/26/2013	6/26/2013	6/26/2013	6/26/2013	6/26/2013	6/26/2013	6/26/2013	6/26/2013	1/9/2014
Sample Depth		0 - 0.5 ft	1 - 2 ft	2 - 4 ft	4 - 6 ft	0 - 0.5 ft	1 - 2 ft	0 - 0.5 ft	1 - 2 ft	0 - 0.5 ft
Parameter	I/C DEC	Units								
AROCLOR-1016	N/A	mg/kg	< 5.54 U	< 5.63 U	< 0.0506 U	< 0.0560 U	< 1.09 U	< 0.0521 U	< 0.0517 U	< 0.0531 U
AROCLOR-1221	N/A	mg/kg	< 5.54 U	< 5.63 U	< 0.0506 U	< 0.0560 U	< 1.09 U	< 0.0521 U	< 0.0517 U	< 0.0531 U
AROCLOR-1232	N/A	mg/kg	< 5.54 U	< 5.63 U	< 0.0506 U	< 0.0560 U	< 1.09 U	< 0.0521 U	< 0.0517 U	< 0.0531 U
AROCLOR-1242	N/A	mg/kg	< 5.54 U	< 5.63 U	< 0.0506 U	5.21	< 1.09 U	< 0.0521 U	< 0.0517 U	< 0.0531 U
AROCLOR-1248	N/A	mg/kg	< 5.54 U	< 5.63 U	2.18 D	< 0.0560 U	< 1.09 U	< 0.0521 U	< 0.0517 U	< 0.0531 U
AROCLOR-1254	N/A	mg/kg	67.2 D	35.7 D	3.62 D	3.50	11.5 D	0.319	4.42 D	< 0.0531 U
AROCLOR-1260	N/A	mg/kg	< 5.54 U	< 5.63 U	< 0.0506 U	< 0.0560 U	< 1.09 U	< 0.0521 U	< 0.0517 U	< 0.0531 U
AROCLOR-1262	N/A	mg/kg	< 5.54 U	< 5.63 U	< 0.0506 U	< 0.0560 U	< 1.09 U	< 0.0521 U	< 0.0517 U	< 0.0531 U
AROCLOR-1268	N/A	mg/kg	< 5.54 U	< 5.63 U	< 0.0506 U	< 0.0560 U	< 1.09 U	< 0.0521 U	< 0.0517 U	< 0.0531 U
Total PCB Aroclors	10	mg/kg	67.2	35.7	5.80	8.71	11.5	0.319	4.42	< 0.0531 U
										8.65

Notes

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Industrial/Commercial Direct Contact

Table 4B - Summary of Analytical PCB Soil Results - 2015 SRI Addendum

BASF
180 Mill Street
Cranston, RI

Sample ID			H380	H40	H60	HH00	I100	I100	I100	I100	I120
Sample Code			N	N	N	N	N	N	N	N	FD
Sample Date			1/9/2014	6/28/2013	6/28/2013	6/24/2013	1/9/2014	1/9/2014	1/9/2014	1/9/2014	7/1/2013
Sample Depth			1 - 2 ft	2 - 4 ft	2 - 4 ft	0 - 0.5 ft	0 - 0.5 ft	1 - 2 ft	2 - 4 ft	4 - 6 ft	0 - 0.5 ft
Parameter	I/C DEC	Units									
AROCLO-1016	N/A	mg/kg	< 0.0546 U	< 0.0579 U	< 0.0542 U	< 0.0557 U	< 0.0540 U	< 0.0532 U	< 0.0524 U	< 0.0523 U	< 0.0522 U
AROCLO-1221	N/A	mg/kg	< 0.0546 U	< 0.0579 U	< 0.0542 U	< 0.0557 U	< 0.0540 U	< 0.0532 U	< 0.0524 U	< 0.0523 U	< 0.0522 U
AROCLO-1232	N/A	mg/kg	< 0.0546 U	< 0.0579 U	< 0.0542 U	< 0.0557 U	< 0.0540 U	< 0.0532 U	< 0.0524 U	< 0.0523 U	< 0.0522 U
AROCLO-1242	N/A	mg/kg	< 0.0546 U	< 0.0579 U	< 0.0542 U	< 0.0557 U	< 0.0540 U	< 0.0532 U	< 0.0524 U	< 0.0523 U	< 0.0522 U
AROCLO-1248	N/A	mg/kg	< 0.0546 U	< 0.0579 U	< 0.0542 U	< 0.0557 U	< 0.0540 U	< 0.0532 U	< 0.0524 U	< 0.0523 U	< 0.0522 U
AROCLO-1254	N/A	mg/kg	< 0.0546 U	0.0849	0.923	< 0.0557 U	0.606	1.60	< 0.0524 U	< 0.0523 U	4.94 D
AROCLO-1260	N/A	mg/kg	< 0.0546 U	< 0.0579 U	< 0.0542 U	< 0.0557 U	< 0.0540 U	< 0.0532 U	< 0.0524 U	< 0.0523 U	< 0.0522 U
AROCLO-1262	N/A	mg/kg	< 0.0546 U	< 0.0579 U	< 0.0542 U	< 0.0557 U	< 0.0540 U	< 0.0532 U	< 0.0524 U	< 0.0523 U	< 0.0522 U
AROCLO-1268	N/A	mg/kg	< 0.0546 U	< 0.0579 U	< 0.0542 U	< 0.0557 U	< 0.0540 U	< 0.0532 U	< 0.0524 U	< 0.0523 U	< 0.0522 U
Total PCB Aroclors	10	mg/kg	< 0.0546 U	0.0849	0.923	< 0.0557 U	0.606	1.60	< 0.0524 U	< 0.0523 U	4.94

Notes

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Industrial/Commercial Direct Contact

Table 4B - Summary of Analytical PCB Soil Results - 2015 SRI Addendum

BASF
180 Mill Street
Cranston, RI

Sample ID			I120	I120	I120	I140	I140	I160	I160	I160	I160
Sample Code			N	FD	N	N	N	N	N	N	N
Sample Date			7/1/2013	7/1/2013	7/1/2013	7/1/2013	7/1/2013	7/1/2013	7/1/2013	7/1/2013	7/1/2013
Sample Depth			0 - 0.5 ft	1 - 2 ft	1 - 2 ft	0 - 0.5 ft	1 - 2 ft	0 - 0.5 ft	1 - 2 ft	2 - 4 ft	4 - 6 ft
Parameter	I/C DEC	Units									
AROCLOR-1016	N/A	mg/kg	< 0.0544 U	< 0.0520 U	< 0.0510 U	< 0.0531 U	< 0.0506 U	< 0.0544 U	< 0.0506 U	< 0.0511 U	< 0.0545 U
AROCLOR-1221	N/A	mg/kg	< 0.0544 U	< 0.0520 U	< 0.0510 U	< 0.0531 U	< 0.0506 U	< 0.0544 U	< 0.0506 U	< 0.0511 U	< 0.0545 U
AROCLOR-1232	N/A	mg/kg	< 0.0544 U	< 0.0520 U	< 0.0510 U	< 0.0531 U	< 0.0506 U	< 0.0544 U	< 0.0506 U	< 0.0511 U	< 0.0545 U
AROCLOR-1242	N/A	mg/kg	< 0.0544 U	< 0.0520 U	< 0.0510 U	< 0.0531 U	< 0.0506 U	< 0.0544 U	< 0.0506 U	< 0.0511 U	< 0.0545 U
AROCLOR-1248	N/A	mg/kg	< 0.0544 U	< 0.0520 U	< 0.0510 U	0.727	< 0.0506 U	4.26 D	< 0.0506 U	< 0.0511 U	< 0.0545 U
AROCLOR-1254	N/A	mg/kg	2.23 D	0.256	0.262	1.01	0.749	4.21 D	4.64 D	0.623	< 0.0545 U
AROCLOR-1260	N/A	mg/kg	< 0.0544 U	< 0.0520 U	< 0.0510 U	< 0.0531 U	< 0.0506 U	< 0.0544 U	< 0.0506 U	< 0.0511 U	< 0.0545 U
AROCLOR-1262	N/A	mg/kg	< 0.0544 U	< 0.0520 U	< 0.0510 U	< 0.0531 U	< 0.0506 U	< 0.0544 U	< 0.0506 U	< 0.0511 U	< 0.0545 U
AROCLOR-1268	N/A	mg/kg	< 0.0544 U	< 0.0520 U	< 0.0510 U	< 0.0531 U	< 0.0506 U	< 0.0544 U	< 0.0506 U	< 0.0511 U	< 0.0545 U
Total PCB Aroclors	10	mg/kg	2.23	0.256	0.262	1.74	0.749	8.47	4.64	0.623	< 0.0545 U

Notes

< indicates not detected above detection limits

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Industrial/Commercial Direct Contact

Table 4B - Summary of Analytical PCB Soil Results - 2015 SRI Addendum

BASF
180 Mill Street
Cranston, RI

	Sample ID	I180	I180	I180	I180	I180	I180	I180	I200	I200
	Sample Code	FD	N	FD	N	FD	N	N	N	N
	Sample Date	6/26/2013	6/26/2013	6/26/2013	6/26/2013	6/26/2013	6/26/2013	6/26/2013	6/26/2013	6/26/2013
	Sample Depth	0 - 0.5 ft	0 - 0.5 ft	1 - 2 ft	1 - 2 ft	2 - 4 ft	2 - 4 ft	4 - 6 ft	0 - 0.5 ft	1 - 2 ft
Parameter	I/C DEC	Units								
AROCLOR-1016	N/A	mg/kg	< 0.0512 U	< 0.0535 U	< 1.02 U	< 1.03 U	< 1.01 U	< 0.0508 U	< 0.0512 U	< 0.0530 U
AROCLOR-1221	N/A	mg/kg	< 0.0512 U	< 0.0535 U	< 1.02 U	< 1.03 U	< 1.01 U	< 0.0508 U	< 0.0512 U	< 0.0530 U
AROCLOR-1232	N/A	mg/kg	< 0.0512 U	< 0.0535 U	< 1.02 U	< 1.03 U	< 1.01 U	< 0.0508 U	< 0.0512 U	< 0.0530 U
AROCLOR-1242	N/A	mg/kg	0.573 PD	< 0.0535 U	< 1.02 U	< 1.03 U	< 1.01 U	< 0.0508 U	< 0.0512 U	2.04 D
AROCLOR-1248	N/A	mg/kg	< 0.0512 U	< 0.0535 U	< 1.02 U	< 1.03 U	< 1.01 U	< 0.0508 U	< 0.0512 U	< 0.0530 U
AROCLOR-1254	N/A	mg/kg	1.41 D	1.02	11.9 D	10.9 D	11.5 D	1.39 D	< 0.0512 U	5.91 D
AROCLOR-1260	N/A	mg/kg	< 0.0512 U	< 0.0535 U	< 1.02 U	< 1.03 U	< 1.01 U	< 0.0508 U	< 0.0512 U	< 0.0530 U
AROCLOR-1262	N/A	mg/kg	< 0.0512 U	< 0.0535 U	< 1.02 U	< 1.03 U	< 1.01 U	< 0.0508 U	< 0.0512 U	< 0.0530 U
AROCLOR-1268	N/A	mg/kg	< 0.0512 U	< 0.0535 U	< 1.02 U	< 1.03 U	< 1.01 U	< 0.0508 U	< 0.0512 U	< 0.0530 U
Total PCB Aroclors	10	mg/kg	1.98	1.02	11.9	10.9	11.5	1.39	< 0.0512 U	7.95

Notes

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I/C DEC = Rhode Island Department of Environmental Management

Industrial/Commercial Direct Contact

Table 4B - Summary of Analytical PCB Soil Results - 2015 SRI Addendum

BASF
180 Mill Street
Cranston, RI

	Sample ID	I200	I200	I220	I220	I260	I260	I280	I280	I280
	Sample Code	N	N	N	N	N	N	N	N	N
	Sample Date	6/26/2013	6/26/2013	6/26/2013	6/26/2013	6/26/2013	6/26/2013	6/26/2013	6/26/2013	6/26/2013
	Sample Depth	2 - 4 ft	4 - 6 ft	2 - 4 ft	4 - 6 ft	0 - 0.5 ft	1 - 2 ft	0 - 0.5 ft	1 - 2 ft	2 - 4 ft
Parameter	I/C DEC	Units								
AROCLOR-1016	N/A	mg/kg	< 3.11 U	< 3.41 U	< 0.0539 U	< 0.0553 U	< 0.0529 U	< 0.0525 U	< 0.0511 U	< 5.52 U
AROCLOR-1221	N/A	mg/kg	< 3.11 U	< 3.41 U	< 0.0539 U	< 0.0553 U	< 0.0529 U	< 0.0525 U	< 0.0511 U	< 5.52 U
AROCLOR-1232	N/A	mg/kg	< 3.11 U	< 3.41 U	< 0.0539 U	< 0.0553 U	< 0.0529 U	< 0.0525 U	< 0.0511 U	< 5.52 U
AROCLOR-1242	N/A	mg/kg	< 3.11 U	< 3.41 U	< 0.0539 U	< 0.0553 U	0.136	< 0.0525 U	< 0.0511 U	< 5.52 U
AROCLOR-1248	N/A	mg/kg	< 3.11 U	< 3.41 U	< 0.0539 U	< 0.0553 U	< 0.0529 U	< 0.0525 U	0.519	< 5.52 U
AROCLOR-1254	N/A	mg/kg	40.2 D	65.8 D	0.661	1.77 D	0.491 P	1.17 D	0.532	37.4 D
AROCLOR-1260	N/A	mg/kg	< 3.11 U	< 3.41 U	< 0.0539 U	< 0.0553 U	< 0.0529 U	< 0.0525 U	< 0.0511 U	< 5.52 U
AROCLOR-1262	N/A	mg/kg	< 3.11 U	< 3.41 U	< 0.0539 U	< 0.0553 U	< 0.0529 U	< 0.0525 U	< 0.0511 U	< 5.52 U
AROCLOR-1268	N/A	mg/kg	< 3.11 U	< 3.41 U	< 0.0539 U	< 0.0553 U	< 0.0529 U	< 0.0525 U	< 0.0511 U	< 5.52 U
Total PCB Aroclors	10	mg/kg	40.2	65.8	0.661	1.77	0.627	1.17	1.05	37.4

Notes

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I/C DEC = Rhode Island Department of Environmental Management

Industrial/Commercial Direct Contact

Table 4B - Summary of Analytical PCB Soil Results - 2015 SRI Addendum

BASF
180 Mill Street
Cranston, RI

Sample ID			I280	I300	I300	I300	I300	I320	I320	I320	I320
Sample Code			N	N	N	N	N	N	N	N	N
Sample Date			6/26/2013	1/8/2014	1/8/2014	1/8/2014	1/8/2014	1/8/2014	1/8/2014	1/8/2014	1/8/2014
Sample Depth			4 - 6 ft	0 - 0.5 ft	1 - 2 ft	2 - 4 ft	4 - 6 ft	0 - 0.5 ft	1 - 2 ft	2 - 4 ft	4 - 5 ft
Parameter	I/C DEC	Units									
AROCLOR-1016	N/A	mg/kg	< 0.0559 U	< 0.0600 U	< 1.10 U	< 0.0536 U	< 0.0526 U	< 0.0566 U	< 1.05 U	< 0.0586 U	< 0.0541 U
AROCLOR-1221	N/A	mg/kg	< 0.0559 U	< 0.0600 U	< 1.10 U	< 0.0536 U	< 0.0526 U	< 0.0566 U	< 1.05 U	< 0.0586 U	< 0.0541 U
AROCLOR-1232	N/A	mg/kg	< 0.0559 U	< 0.0600 U	< 1.10 U	< 0.0536 U	< 0.0526 U	< 0.0566 U	< 1.05 U	< 0.0586 U	< 0.0541 U
AROCLOR-1242	N/A	mg/kg	< 0.0559 U	< 0.0600 U	< 1.10 U	< 0.0536 U	< 0.0526 U	< 0.0566 U	< 1.05 U	< 0.0586 U	< 0.0541 U
AROCLOR-1248	N/A	mg/kg	< 0.0559 U	0.817	5.21	< 0.0536 U	< 0.0526 U	< 0.0566 U	< 1.05 U	< 0.0586 U	< 0.0541 U
AROCLOR-1254	N/A	mg/kg	2.55	1.75	12.5	7.30 D	6.46 D	0.472	10.7	2.82 D	1.06
AROCLOR-1260	N/A	mg/kg	< 0.0559 U	< 0.0600 U	< 1.10 U	< 0.0536 U	< 0.0526 U	0.184	< 1.05 U	< 0.0586 U	< 0.0541 U
AROCLOR-1262	N/A	mg/kg	< 0.0559 U	< 0.0600 U	< 1.10 U	< 0.0536 U	< 0.0526 U	< 0.0566 U	< 1.05 U	< 0.0586 U	< 0.0541 U
AROCLOR-1268	N/A	mg/kg	< 0.0559 U	< 0.0600 U	< 1.10 U	< 0.0536 U	< 0.0526 U	< 0.0566 U	< 1.05 U	< 0.0586 U	< 0.0541 U
Total PCB Aroclors	10	mg/kg	2.55	2.57	17.7	7.30	6.46	0.656	10.7	2.82	1.06

Notes

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Industrial/Commercial Direct Contact

Table 4B - Summary of Analytical PCB Soil Results - 2015 SRI Addendum

BASF
180 Mill Street
Cranston, RI

Sample ID		I380	I380	I380	I380	I40	I60	I80	I80	II00
Sample Code		N	N	FD	N	N	N	N	N	N
Sample Date		1/8/2014	1/8/2014	1/8/2014	1/8/2014	6/28/2013	6/28/2013	1/9/2014	1/9/2014	6/24/2013
Sample Depth		0 - 0.5 ft	1 - 2 ft	1 - 2 ft	2 - 4 ft	2 - 4 ft	2 - 4 ft	0 - 0.5 ft	1 - 2 ft	0 - 0.5 ft
Parameter	I/C DEC	Units								
AROCLOR-1016	N/A	mg/kg	< 0.0593 U	< 0.0550 U	< 0.0558 U	< 0.0541 U	< 0.0585 U	< 0.0571 U	< 0.0722 U	< 0.0518 U
AROCLOR-1221	N/A	mg/kg	< 0.0593 U	< 0.0550 U	< 0.0558 U	< 0.0541 U	< 0.0585 U	< 0.0571 U	< 0.0722 U	< 0.0518 U
AROCLOR-1232	N/A	mg/kg	< 0.0593 U	< 0.0550 U	< 0.0558 U	< 0.0541 U	< 0.0585 U	< 0.0571 U	< 0.0722 U	< 0.0518 U
AROCLOR-1242	N/A	mg/kg	< 0.0593 U	< 0.0550 U	< 0.0558 U	< 0.0541 U	< 0.0585 U	< 0.0571 U	< 0.0722 U	< 0.0518 U
AROCLOR-1248	N/A	mg/kg	< 0.0593 U	< 0.0550 U	< 0.0558 U	< 0.0541 U	< 0.0585 U	< 0.0571 U	< 0.0722 U	< 0.0518 U
AROCLOR-1254	N/A	mg/kg	3.41	< 0.0550 U	< 0.0558 U	< 0.0541 U	0.0698	0.672	3.53	0.577
AROCLOR-1260	N/A	mg/kg	1.65	6.11	4.24	9.68 D	< 0.0585 U	< 0.0571 U	< 0.0722 U	< 0.0518 U
AROCLOR-1262	N/A	mg/kg	< 0.0593 U	< 0.0550 U	< 0.0558 U	< 0.0541 U	< 0.0585 U	< 0.0571 U	< 0.0722 U	< 0.0518 U
AROCLOR-1268	N/A	mg/kg	< 0.0593 U	< 0.0550 U	< 0.0558 U	< 0.0541 U	< 0.0585 U	< 0.0571 U	< 0.0722 U	< 0.0518 U
Total PCB Aroclors	10	mg/kg	5.06	6.11	4.24	9.68	0.0698	0.672	3.53	0.577

Notes

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Industrial/Commercial Direct Contact

Table 4B - Summary of Analytical PCB Soil Results - 2015 SRI Addendum

BASF
180 Mill Street
Cranston, RI

Sample ID			J100	J100	J100	J100	J120	J120	J120	J140	J140
Sample Code			N	N	N	N	N	N	N	N	N
Sample Date			7/1/2013	7/1/2013	7/1/2013	7/1/2013	7/1/2013	7/1/2013	7/1/2013	7/1/2013	7/1/2013
Sample Depth			0 - 0.5 ft	1 - 2 ft	2 - 4 ft	4 - 6 ft	1 - 2 ft	2 - 4 ft	4 - 6 ft	0 - 0.5 ft	1 - 2 ft
Parameter	I/C DEC	Units									
AROCLOR-1016	N/A	mg/kg	< 0.0544 U	< 5.84 U	< 0.0539 U	< 0.0523 U	< 0.0509 U	< 0.0502 U	< 0.0539 U	< 1.09 U	< 0.0501 U
AROCLOR-1221	N/A	mg/kg	< 0.0544 U	< 5.84 U	< 0.0539 U	< 0.0523 U	< 0.0509 U	< 0.0502 U	< 0.0539 U	< 1.09 U	< 0.0501 U
AROCLOR-1232	N/A	mg/kg	< 0.0544 U	< 5.84 U	< 0.0539 U	< 0.0523 U	< 0.0509 U	< 0.0502 U	< 0.0539 U	< 1.09 U	< 0.0501 U
AROCLOR-1242	N/A	mg/kg	< 0.0544 U	< 5.84 U	< 0.0539 U	< 0.0523 U	< 0.0509 U	< 0.0502 U	< 0.0539 U	< 1.09 U	< 0.0501 U
AROCLOR-1248	N/A	mg/kg	< 0.0544 U	< 5.84 U	< 0.0539 U	< 0.0523 U	0.0547	< 0.0502 U	< 0.0539 U	< 1.09 U	< 0.0501 U
AROCLOR-1254	N/A	mg/kg	4.00 D	72.4 D	7.32	< 0.0523 U	0.223	0.196	0.0552	9.65 D	1.68 D
AROCLOR-1260	N/A	mg/kg	< 0.0544 U	< 5.84 U	< 0.0539 U	< 0.0523 U	< 0.0509 U	< 0.0502 U	< 0.0539 U	< 1.09 U	< 0.0501 U
AROCLOR-1262	N/A	mg/kg	< 0.0544 U	< 5.84 U	< 0.0539 U	< 0.0523 U	< 0.0509 U	< 0.0502 U	< 0.0539 U	< 1.09 U	< 0.0501 U
AROCLOR-1268	N/A	mg/kg	< 0.0544 U	< 5.84 U	< 0.0539 U	< 0.0523 U	< 0.0509 U	< 0.0502 U	< 0.0539 U	< 1.09 U	< 0.0501 U
Total PCB Aroclors	10	mg/kg	4.00	72.4	7.32	< 0.0523 U	0.278	0.196	0.0552	9.65	1.68

Notes

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Industrial/Commercial Direct Contact

Table 4B - Summary of Analytical PCB Soil Results - 2015 SRI Addendum

BASF
180 Mill Street
Cranston, RI

	Sample ID	J160	J160	J160	J180	J180	J180	J200	J200	J200
	Sample Code	N	N	N	N	N	N	N	N	N
	Sample Date	7/1/2013	7/1/2013	7/1/2013	1/9/2014	1/9/2014	1/9/2014	6/26/2013	6/26/2013	6/26/2013
	Sample Depth	0 - 0.5 ft	1 - 2 ft	2 - 4 ft	0 - 0.5 ft	1 - 2 ft	2 - 4 ft	0 - 0.5 ft	1 - 2 ft	2 - 4 ft
Parameter	I/C DEC	Units								
AROCLOR-1016	N/A	mg/kg	< 0.0545 U	< 1.08 U	< 0.0502 U	< 0.0567 U	< 0.0569 U	< 0.0499 U	< 0.0536 U	< 0.0535 U
AROCLOR-1221	N/A	mg/kg	< 0.0545 U	< 1.08 U	< 0.0502 U	< 0.0567 U	< 0.0569 U	< 0.0499 U	< 0.0536 U	< 0.0535 U
AROCLOR-1232	N/A	mg/kg	< 0.0545 U	< 1.08 U	< 0.0502 U	< 0.0567 U	< 0.0569 U	< 0.0499 U	< 0.0536 U	< 0.0535 U
AROCLOR-1242	N/A	mg/kg	< 0.0545 U	< 1.08 U	< 0.0502 U	< 0.0567 U	< 0.0569 U	< 0.0499 U	< 0.0536 U	< 0.0535 U
AROCLOR-1248	N/A	mg/kg	< 0.0545 U	< 1.08 U	< 0.0502 U	0.793	< 0.0569 U	< 0.0499 U	9.15 D	< 0.0535 U
AROCLOR-1254	N/A	mg/kg	0.0600 P	11.4 D	0.0959	1.04	5.31	0.207	4.36	0.959
AROCLOR-1260	N/A	mg/kg	< 0.0545 U	< 1.08 U	< 0.0502 U	< 0.0567 U	< 0.0569 U	< 0.0499 U	< 0.0536 U	< 0.0535 U
AROCLOR-1262	N/A	mg/kg	< 0.0545 U	< 1.08 U	< 0.0502 U	< 0.0567 U	< 0.0569 U	< 0.0499 U	< 0.0536 U	< 0.0535 U
AROCLOR-1268	N/A	mg/kg	< 0.0545 U	< 1.08 U	< 0.0502 U	< 0.0567 U	< 0.0569 U	< 0.0499 U	< 0.0536 U	< 0.0535 U
Total PCB Aroclors	10	mg/kg	0.0600	11.4	0.0959	1.83	5.31	0.207	13.5	0.959

Notes

< indicates not detected above detection limits

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D = Dilution

I/C DEC = Rhode Island Department of Environmental Management

Industrial/Commercial Direct Contact

Table 4B - Summary of Analytical PCB Soil Results - 2015 SRI Addendum

BASF
180 Mill Street
Cranston, RI

Sample ID			J200	J220	J220	J220	J240	J240	J260	J260	J280
Sample Code			N	N	N	N	N	N	N	N	N
Sample Date			6/26/2013	6/26/2013	6/26/2013	6/26/2013	1/8/2014	1/8/2014	6/26/2013	6/26/2013	6/26/2013
Sample Depth			4 - 6 ft	0 - 0.5 ft	1 - 2 ft	2 - 4 ft	0 - 0.5 ft	1 - 2 ft	0 - 0.5 ft	1 - 2 ft	0 - 0.5 ft
Parameter	I/C DEC	Units									
AROCLOR-1016	N/A	mg/kg	< 0.0517 U	< 2.70 U	< 0.0535 U	< 0.0549 U	< 0.0568 U	< 0.0559 U	< 0.0494 U	< 0.0533 U	< 0.0543 U
AROCLOR-1221	N/A	mg/kg	< 0.0517 U	< 2.70 U	< 0.0535 U	< 0.0549 U	< 0.0568 U	< 0.0559 U	< 0.0494 U	< 0.0533 U	< 0.0543 U
AROCLOR-1232	N/A	mg/kg	< 0.0517 U	< 2.70 U	< 0.0535 U	< 0.0549 U	< 0.0568 U	< 0.0559 U	< 0.0494 U	< 0.0533 U	< 0.0543 U
AROCLOR-1242	N/A	mg/kg	< 0.0517 U	< 2.70 U	0.137	< 0.0549 U	< 0.0568 U	< 0.0559 U	0.141	< 0.0533 U	< 0.0543 U
AROCLOR-1248	N/A	mg/kg	< 0.0517 U	33.7 D	< 0.0535 U	< 0.0549 U	0.807	< 0.0559 U	< 0.0494 U	< 0.0533 U	< 0.0543 U
AROCLOR-1254	N/A	mg/kg	0.296	< 2.70 U	< 0.0535 U	< 0.0549 U	< 0.0568 U	< 0.0559 U	0.253 P	< 0.0533 U	< 0.0543 U
AROCLOR-1260	N/A	mg/kg	< 0.0517 U	< 2.70 U	< 0.0535 U	< 0.0549 U	< 0.0568 U	< 0.0559 U	< 0.0494 U	< 0.0533 U	< 0.0543 U
AROCLOR-1262	N/A	mg/kg	< 0.0517 U	< 2.70 U	< 0.0535 U	< 0.0549 U	< 0.0568 U	< 0.0559 U	< 0.0494 U	< 0.0533 U	< 0.0543 U
AROCLOR-1268	N/A	mg/kg	< 0.0517 U	< 2.70 U	< 0.0535 U	< 0.0549 U	< 0.0568 U	< 0.0559 U	< 0.0494 U	< 0.0533 U	< 0.0543 U
Total PCB Aroclors	10	mg/kg	0.296	33.7	0.137	< 0.0549 U	0.807	< 0.0559 U	0.394	< 0.0533 U	< 0.0543 U

Notes

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Industrial/Commercial Direct Contact

Table 4B - Summary of Analytical PCB Soil Results - 2015 SRI Addendum

BASF
180 Mill Street
Cranston, RI

Sample ID		J280	J300	J300	J300	J320	J320	J320	J320	J80
Sample Code		N	N	N	N	N	N	N	N	N
Sample Date		6/26/2013	6/26/2013	6/26/2013	6/26/2013	1/17/2014	1/17/2014	1/17/2014	1/17/2014	1/9/2014
Sample Depth		1 - 2 ft	0 - 0.5 ft	1 - 2 ft	2 - 4 ft	0 - 0.5 ft	1 - 2 ft	2 - 4 ft	4 - 6 ft	0 - 0.5 ft
Parameter	I/C DEC	Units								
AROCLOR-1016	N/A	mg/kg	< 2.81 U	< 0.0507 U	< 2.76 U	< 1.11 U	< 0.0564 U	< 0.0541 U	< 0.0528 U	< 0.0523 U
AROCLOR-1221	N/A	mg/kg	< 2.81 U	< 0.0507 U	< 2.76 U	< 1.11 U	< 0.0564 U	< 0.0541 U	< 0.0528 U	< 0.0523 U
AROCLOR-1232	N/A	mg/kg	< 2.81 U	< 0.0507 U	< 2.76 U	< 1.11 U	< 0.0564 U	< 0.0541 U	< 0.0528 U	< 0.0523 U
AROCLOR-1242	N/A	mg/kg	< 2.81 U	< 0.0507 U	< 2.76 U	< 1.11 U	< 0.0564 U	< 0.0541 U	< 0.0528 U	< 0.0523 U
AROCLOR-1248	N/A	mg/kg	< 2.81 U	< 0.0507 U	< 2.76 U	< 1.11 U	< 0.0564 U	< 0.0541 U	< 0.0528 U	< 0.0523 U
AROCLOR-1254	N/A	mg/kg	25.3 D	5.42 D	24.4 D	12.3	< 0.0564 U	2.31 D	0.271	0.854
AROCLOR-1260	N/A	mg/kg	< 2.81 U	< 0.0507 U	< 2.76 U	< 1.11 U	< 0.0564 U	< 0.0541 U	< 0.0528 U	< 0.0523 U
AROCLOR-1262	N/A	mg/kg	< 2.81 U	< 0.0507 U	< 2.76 U	< 1.11 U	< 0.0564 U	< 0.0541 U	< 0.0528 U	< 0.0523 U
AROCLOR-1268	N/A	mg/kg	< 2.81 U	< 0.0507 U	< 2.76 U	< 1.11 U	< 0.0564 U	< 0.0541 U	< 0.0528 U	< 0.0523 U
Total PCB Aroclors	10	mg/kg	25.3	5.42	24.4	12.3	< 0.0564 U	2.31	0.271	0.854

Notes

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I/C DEC = Rhode Island Department of Environmental Management

Industrial/Commercial Direct Contact

Table 4B - Summary of Analytical PCB Soil Results - 2015 SRI Addendum

BASF
180 Mill Street
Cranston, RI

Sample ID			J80	J80	J80	JJ00	K100	K100	K100	K120	K120
Sample Code			N	N	N	N	N	N	N	N	N
Sample Date			1/9/2014	1/9/2014	1/9/2014	6/24/2013	7/1/2013	7/1/2013	7/1/2013	7/1/2013	7/1/2013
Sample Depth			1 - 2 ft	2 - 4 ft	4 - 6 ft	0 - 0.5 ft	0 - 0.5 ft	1 - 2 ft	2 - 2.5 ft	1 - 2 ft	2 - 4 ft
Parameter	I/C DEC	Units									
AROCLOR-1016	N/A	mg/kg	< 2.86 U	< 0.0537 U	< 0.0549 U	< 0.0540 U	< 0.0528 U	< 0.0531 U	< 0.0543 U	< 0.0524 U	< 0.0574 U
AROCLOR-1221	N/A	mg/kg	< 2.86 U	< 0.0537 U	< 0.0549 U	< 0.0540 U	< 0.0528 U	< 0.0531 U	< 0.0543 U	< 0.0524 U	< 0.0574 U
AROCLOR-1232	N/A	mg/kg	< 2.86 U	< 0.0537 U	< 0.0549 U	< 0.0540 U	< 0.0528 U	< 0.0531 U	< 0.0543 U	< 0.0524 U	< 0.0574 U
AROCLOR-1242	N/A	mg/kg	< 2.86 U	< 0.0537 U	< 0.0549 U	< 0.0540 U	< 0.0528 U	< 0.0531 U	< 0.0543 U	< 0.0524 U	< 0.0574 U
AROCLOR-1248	N/A	mg/kg	< 2.86 U	< 0.0537 U	< 0.0549 U	< 0.0540 U	0.277	< 0.0531 U	< 0.0543 U	< 0.0524 U	< 0.0574 U
AROCLOR-1254	N/A	mg/kg	46.2	0.433	0.0721	< 0.0540 U	0.554	2.16 D	1.59	3.50 D	0.546
AROCLOR-1260	N/A	mg/kg	< 2.86 U	< 0.0537 U	< 0.0549 U	< 0.0540 U	< 0.0528 U	< 0.0531 U	< 0.0543 U	< 0.0524 U	< 0.0574 U
AROCLOR-1262	N/A	mg/kg	< 2.86 U	< 0.0537 U	< 0.0549 U	< 0.0540 U	< 0.0528 U	< 0.0531 U	< 0.0543 U	< 0.0524 U	< 0.0574 U
AROCLOR-1268	N/A	mg/kg	< 2.86 U	< 0.0537 U	< 0.0549 U	< 0.0540 U	< 0.0528 U	< 0.0531 U	< 0.0543 U	< 0.0524 U	< 0.0574 U
Total PCB Aroclors	10	mg/kg	46.2	0.433	0.0721	< 0.0540 U	0.831	2.16	1.59	3.50	0.546

Notes

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I/C DEC = Rhode Island Department of Environmental Management

Industrial/Commercial Direct Contact

Table 4B - Summary of Analytical PCB Soil Results - 2015 SRI Addendum

BASF
180 Mill Street
Cranston, RI

Sample ID			K120	K160	K160	K160	K160	K200	K200	K200	K220
Sample Code			N	N	N	N	N	N	N	FD	N
Sample Date			7/1/2013	7/1/2013	7/1/2013	7/1/2013	7/1/2013	1/9/2014	1/9/2014	1/9/2014	1/9/2014
Sample Depth			4 - 4.5 ft	0 - 0.5 ft	1 - 2 ft	2 - 4 ft	4 - 6 ft	0 - 0.5 ft	1 - 2 ft	1 - 2 ft	0 - 0.5 ft
Parameter	I/C DEC	Units									
AROCLOR-1016	N/A	mg/kg	< 0.0549 U	< 0.0525 U	< 0.0498 U	< 0.0531 U	< 0.0538 U	< 0.0558 U	< 0.0564 U	< 0.0518 U	< 0.0577 U
AROCLOR-1221	N/A	mg/kg	< 0.0549 U	< 0.0525 U	< 0.0498 U	< 0.0531 U	< 0.0538 U	< 0.0558 U	< 0.0564 U	< 0.0518 U	< 0.0577 U
AROCLOR-1232	N/A	mg/kg	< 0.0549 U	< 0.0525 U	< 0.0498 U	< 0.0531 U	< 0.0538 U	< 0.0558 U	< 0.0564 U	< 0.0518 U	< 0.0577 U
AROCLOR-1242	N/A	mg/kg	< 0.0549 U	< 0.0525 U	< 0.0498 U	< 0.0531 U	< 0.0538 U	< 0.0558 U	< 0.0564 U	< 0.0518 U	< 0.0577 U
AROCLOR-1248	N/A	mg/kg	< 0.0549 U	< 0.0525 U	< 0.0498 U	< 0.0531 U	< 0.0538 U	0.381	< 0.0564 U	< 0.0518 U	0.959
AROCLOR-1254	N/A	mg/kg	0.775	3.28 D	0.219	< 0.0531 U	< 0.0538 U	0.470	< 0.0564 U	< 0.0518 U	1.11
AROCLOR-1260	N/A	mg/kg	< 0.0549 U	< 0.0525 U	< 0.0498 U	< 0.0531 U	< 0.0538 U	< 0.0558 U	< 0.0564 U	< 0.0518 U	< 0.0577 U
AROCLOR-1262	N/A	mg/kg	< 0.0549 U	< 0.0525 U	< 0.0498 U	< 0.0531 U	< 0.0538 U	< 0.0558 U	< 0.0564 U	< 0.0518 U	< 0.0577 U
AROCLOR-1268	N/A	mg/kg	< 0.0549 U	< 0.0525 U	< 0.0498 U	< 0.0531 U	< 0.0538 U	< 0.0558 U	< 0.0564 U	< 0.0518 U	< 0.0577 U
Total PCB Aroclors	10	mg/kg	0.775	3.28	0.219	< 0.0531 U	< 0.0538 U	0.851	< 0.0564 U	< 0.0518 U	2.07

Notes

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Industrial/Commercial Direct Contact

Table 4B - Summary of Analytical PCB Soil Results - 2015 SRI Addendum

BASF
180 Mill Street
Cranston, RI

Sample ID			K220	K220	K220	K260	K260	K280	K280	K280	K300
Sample Code			N	N	N	N	N	N	N	N	N
Sample Date			1/9/2014	1/9/2014	1/9/2014	1/8/2014	1/8/2014	6/26/2013	6/26/2013	6/26/2013	6/26/2013
Sample Depth			1 - 2 ft	2 - 4 ft	4 - 6 ft	0 - 0.5 ft	1 - 2 ft	0 - 0.5 ft	1 - 2 ft	2 - 4 ft	0 - 0.5 ft
Parameter	I/C DEC	Units									
AROCLOR-1016	N/A	mg/kg	< 0.0549 U	< 0.0560 U	< 0.0518 U	< 0.0577 U	< 0.0528 U	< 0.0514 U	< 0.0543 U	< 2.90 U	< 0.0506 U
AROCLOR-1221	N/A	mg/kg	< 0.0549 U	< 0.0560 U	< 0.0518 U	< 0.0577 U	< 0.0528 U	< 0.0514 U	< 0.0543 U	< 2.90 U	< 0.0506 U
AROCLOR-1232	N/A	mg/kg	< 0.0549 U	< 0.0560 U	< 0.0518 U	< 0.0577 U	< 0.0528 U	< 0.0514 U	< 0.0543 U	< 2.90 U	< 0.0506 U
AROCLOR-1242	N/A	mg/kg	< 0.0549 U	< 0.0560 U	< 0.0518 U	< 0.0577 U	< 0.0528 U	< 0.0514 U	< 0.0543 U	< 2.90 U	< 0.0506 U
AROCLOR-1248	N/A	mg/kg	< 0.0549 U	< 0.0560 U	< 0.0518 U	0.0898	< 0.0528 U	0.0854	< 0.0543 U	< 2.90 U	< 0.0506 U
AROCLOR-1254	N/A	mg/kg	< 0.0549 U	3.38	0.739	0.130	< 0.0528 U	0.0923	3.15 D	19.4	4.97 D
AROCLOR-1260	N/A	mg/kg	< 0.0549 U	< 0.0560 U	< 0.0518 U	< 0.0577 U	< 0.0528 U	< 0.0514 U	< 0.0543 U	< 2.90 U	< 0.0506 U
AROCLOR-1262	N/A	mg/kg	< 0.0549 U	< 0.0560 U	< 0.0518 U	< 0.0577 U	< 0.0528 U	< 0.0514 U	< 0.0543 U	< 2.90 U	< 0.0506 U
AROCLOR-1268	N/A	mg/kg	< 0.0549 U	< 0.0560 U	< 0.0518 U	< 0.0577 U	< 0.0528 U	< 0.0514 U	< 0.0543 U	< 2.90 U	< 0.0506 U
Total PCB Aroclors	10	mg/kg	< 0.0549 U	3.38	0.739	0.220	< 0.0528 U	0.178	3.15	19.4	4.97

Notes

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I/C DEC = Rhode Island Department of Environmental Management

Industrial/Commercial Direct Contact

Table 4B - Summary of Analytical PCB Soil Results - 2015 SRI Addendum

BASF
180 Mill Street
Cranston, RI

	Sample ID	K300	K300	K300	KK00	L260	L260	L260	L260
	Sample Code	N	N	N	N	N	N	FD	N
	Sample Date	6/26/2013	6/26/2013	6/26/2013	6/24/2013	1/8/2014	1/8/2014	1/8/2014	1/8/2014
	Sample Depth	1 - 2 ft	2 - 4 ft	4 - 5.5 ft	0 - 0.5 ft	0 - 0.5 ft	1 - 2 ft	1 - 2 ft	2 - 4 ft
Parameter	I/C DEC	Units							
AROCLOR-1016	N/A	mg/kg	< 2.67 U	< 1.08 U	< 0.0514 U	< 0.0534 U	< 0.0632 U	< 0.0560 U	< 0.0552 U
AROCLOR-1221	N/A	mg/kg	< 2.67 U	< 1.08 U	< 0.0514 U	< 0.0534 U	< 0.0632 U	< 0.0560 U	< 0.0552 U
AROCLOR-1232	N/A	mg/kg	< 2.67 U	< 1.08 U	< 0.0514 U	< 0.0534 U	< 0.0632 U	< 0.0560 U	< 0.0552 U
AROCLOR-1242	N/A	mg/kg	< 2.67 U	< 1.08 U	< 0.0514 U	< 0.0534 U	< 0.0632 U	< 0.0560 U	< 0.0552 U
AROCLOR-1248	N/A	mg/kg	< 2.67 U	< 1.08 U	< 0.0514 U	< 0.0534 U	< 0.0632 U	< 0.0560 U	< 0.0552 U
AROCLOR-1254	N/A	mg/kg	20.4 D	12.4	0.319	0.782	< 0.0632 U	1.74	1.40
AROCLOR-1260	N/A	mg/kg	< 2.67 U	< 1.08 U	< 0.0514 U	< 0.0534 U	< 0.0632 U	< 0.0560 U	< 0.0552 U
AROCLOR-1262	N/A	mg/kg	< 2.67 U	< 1.08 U	< 0.0514 U	< 0.0534 U	< 0.0632 U	< 0.0560 U	< 0.0552 U
AROCLOR-1268	N/A	mg/kg	< 2.67 U	< 1.08 U	< 0.0514 U	< 0.0534 U	< 0.0632 U	< 0.0560 U	< 0.0552 U
Total PCB Aroclors	10	mg/kg	20.4	12.4	0.319	0.782	< 0.0632 U	1.74	1.40
									1.64
									0.562

Notes

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I/C DEC = Rhode Island Department of Environmental Management

Industrial/Commercial Direct Contact

Table 4B - Summary of Analytical PCB Soil Results - 2015 SRI Addendum

BASF
180 Mill Street
Cranston, RI

Sample ID			L280	L280	L300	L300	LL00	LM0	LM0	LM20	LM20
Sample Code			N	N	N	N	N	N	N	N	N
Sample Date			6/26/2013	6/26/2013	6/26/2013	6/26/2013	6/24/2013	1/17/2014	1/17/2014	1/17/2014	1/17/2014
Sample Depth			0 - 0.5 ft	1 - 2 ft	0 - 0.5 ft	1 - 2 ft	0 - 0.5 ft	0 - 0.5 ft	1 - 2 ft	0 - 0.5 ft	1 - 2 ft
Parameter	I/C DEC	Units									
AROCLO-1016	N/A	mg/kg	< 0.0524 U	< 1.07 U	< 0.0506 U	< 0.0541 U	< 0.0531 U	< 0.0592 U	< 0.0534 U	< 0.0567 U	< 0.0553 U
AROCLO-1221	N/A	mg/kg	< 0.0524 U	< 1.07 U	< 0.0506 U	< 0.0541 U	< 0.0531 U	< 0.0592 U	< 0.0534 U	< 0.0567 U	< 0.0553 U
AROCLO-1232	N/A	mg/kg	< 0.0524 U	< 1.07 U	< 0.0506 U	< 0.0541 U	< 0.0531 U	< 0.0592 U	< 0.0534 U	< 0.0567 U	< 0.0553 U
AROCLO-1242	N/A	mg/kg	< 0.0524 U	< 1.07 U	< 0.0506 U	< 0.0541 U	< 0.0531 U	< 0.0592 U	< 0.0534 U	< 0.0567 U	< 0.0553 U
AROCLO-1248	N/A	mg/kg	< 0.0524 U	< 1.07 U	< 0.0506 U	< 0.0541 U	< 0.0531 U	< 0.0592 U	< 0.0534 U	< 0.0567 U	< 0.0553 U
AROCLO-1254	N/A	mg/kg	0.293	10.3 D	0.0724	0.963	0.132	2.00 D	2.51 D	5.41	8.25
AROCLO-1260	N/A	mg/kg	< 0.0524 U	< 1.07 U	< 0.0506 U	< 0.0541 U	< 0.0531 U	< 0.0592 U	< 0.0534 U	< 0.0567 U	< 0.0553 U
AROCLO-1262	N/A	mg/kg	< 0.0524 U	< 1.07 U	< 0.0506 U	< 0.0541 U	< 0.0531 U	< 0.0592 U	< 0.0534 U	< 0.0567 U	< 0.0553 U
AROCLO-1268	N/A	mg/kg	< 0.0524 U	< 1.07 U	< 0.0506 U	< 0.0541 U	< 0.0531 U	< 0.0592 U	< 0.0534 U	< 0.0567 U	< 0.0553 U
Total PCB Aroclors	10	mg/kg	0.293	10.3	0.0724	0.963	0.132	2.00	2.51	5.41	8.25

Notes

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I/C DEC = Rhode Island Department of Environmental Management

Industrial/Commercial Direct Contact

Table 4B - Summary of Analytical PCB Soil Results - 2015 SRI Addendum

BASF
180 Mill Street
Cranston, RI

Sample ID			LM20	LM20	LM40	LM40	LM40	LM60	LM60	LM60	LM60
Sample Code			N	N	N	N	N	N	N	N	N
Sample Date			1/17/2014	1/17/2014	1/8/2014	1/8/2014	1/8/2014	1/8/2014	1/8/2014	1/8/2014	1/8/2014
Sample Depth			2 - 4 ft	4 - 6 ft	0 - 0.5 ft	1 - 2 ft	2 - 3.5 ft	0 - 0.5 ft	1 - 2 ft	2 - 4 ft	4 - 6 ft
Parameter	I/C DEC	Units									
AROCLOR-1016	N/A	mg/kg	< 0.0578 U	< 0.0602 U	< 0.0562 U	< 0.0538 U	< 0.0540 U	< 0.0545 U	< 0.0546 U	< 0.0519 U	< 0.0542 U
AROCLOR-1221	N/A	mg/kg	< 0.0578 U	< 0.0602 U	< 0.0562 U	< 0.0538 U	< 0.0540 U	< 0.0545 U	< 0.0546 U	< 0.0519 U	< 0.0542 U
AROCLOR-1232	N/A	mg/kg	< 0.0578 U	< 0.0602 U	< 0.0562 U	< 0.0538 U	< 0.0540 U	< 0.0545 U	< 0.0546 U	< 0.0519 U	< 0.0542 U
AROCLOR-1242	N/A	mg/kg	< 0.0578 U	< 0.0602 U	< 0.0562 U	< 0.0538 U	< 0.0540 U	< 0.0545 U	< 0.0546 U	< 0.0519 U	< 0.0542 U
AROCLOR-1248	N/A	mg/kg	0.348	< 0.0602 U	< 0.0562 U	< 0.0538 U	< 0.0540 U	< 0.0545 U	< 0.0546 U	< 0.0519 U	< 0.0542 U
AROCLOR-1254	N/A	mg/kg	0.631	0.105	0.0847	1.79	1.80 D	0.0896	1.62	2.40 D	1.74 D
AROCLOR-1260	N/A	mg/kg	< 0.0578 U	< 0.0602 U	< 0.0562 U	< 0.0538 U	< 0.0540 U	< 0.0545 U	< 0.0546 U	< 0.0519 U	< 0.0542 U
AROCLOR-1262	N/A	mg/kg	< 0.0578 U	< 0.0602 U	< 0.0562 U	< 0.0538 U	< 0.0540 U	< 0.0545 U	< 0.0546 U	< 0.0519 U	< 0.0542 U
AROCLOR-1268	N/A	mg/kg	< 0.0578 U	< 0.0602 U	< 0.0562 U	< 0.0538 U	< 0.0540 U	< 0.0545 U	< 0.0546 U	< 0.0519 U	< 0.0542 U
Total PCB Aroclors	10	mg/kg	0.979	0.105	0.0847	1.79	1.80	0.0896	1.62	2.40	1.74

Notes

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D = Dilution

I/C DEC = Rhode Island Department of Environmental Management

Industrial/Commercial Direct Contact

Table 4B - Summary of Analytical PCB Soil Results - 2015 SRI Addendum

BASF
180 Mill Street
Cranston, RI

Sample ID			LM60	M0	M0	M20	M20	M20	M20	M20	M40
Sample Code			FD	N	N	N	N	FD	N	N	N
Sample Date			1/8/2014	1/17/2014	1/17/2014	1/17/2014	1/17/2014	1/17/2014	1/17/2014	1/17/2014	1/8/2014
Sample Depth			4 - 6 ft	0 - 0.5 ft	1 - 2 ft	0 - 0.5 ft	1 - 2 ft	1 - 2 ft	2 - 4 ft	4 - 6 ft	0 - 0.5 ft
Parameter	I/C DEC	Units									
AROCLOR-1016	N/A	mg/kg	< 0.0570 U	< 0.0563 U	< 0.0531 U	< 0.0566 U	< 0.0548 U	< 0.0548 U	< 0.0537 U	< 0.0568 U	< 0.0574 U
AROCLOR-1221	N/A	mg/kg	< 0.0570 U	< 0.0563 U	< 0.0531 U	< 0.0566 U	< 0.0548 U	< 0.0548 U	< 0.0537 U	< 0.0568 U	< 0.0574 U
AROCLOR-1232	N/A	mg/kg	< 0.0570 U	< 0.0563 U	< 0.0531 U	< 0.0566 U	< 0.0548 U	< 0.0548 U	< 0.0537 U	< 0.0568 U	< 0.0574 U
AROCLOR-1242	N/A	mg/kg	< 0.0570 U	< 0.0563 U	< 0.0531 U	< 0.0566 U	< 0.0548 U	< 0.0548 U	< 0.0537 U	< 0.0568 U	< 0.0574 U
AROCLOR-1248	N/A	mg/kg	< 0.0570 U	< 0.0563 U	< 0.0531 U	< 0.0566 U	< 0.0548 U	< 0.0548 U	< 0.0537 U	< 0.0568 U	< 0.0574 U
AROCLOR-1254	N/A	mg/kg	0.920	0.166	0.238	1.03	0.366	0.383	0.191	0.218	0.988
AROCLOR-1260	N/A	mg/kg	< 0.0570 U	< 0.0563 U	< 0.0531 U	< 0.0566 U	< 0.0548 U	< 0.0548 U	< 0.0537 U	< 0.0568 U	< 0.0574 U
AROCLOR-1262	N/A	mg/kg	< 0.0570 U	< 0.0563 U	< 0.0531 U	< 0.0566 U	< 0.0548 U	< 0.0548 U	< 0.0537 U	< 0.0568 U	< 0.0574 U
AROCLOR-1268	N/A	mg/kg	< 0.0570 U	< 0.0563 U	< 0.0531 U	< 0.0566 U	< 0.0548 U	< 0.0548 U	< 0.0537 U	< 0.0568 U	< 0.0574 U
Total PCB Aroclors	10	mg/kg	0.920	0.166	0.238	1.03	0.366	0.383	0.191	0.218	0.988

Notes

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Industrial/Commercial Direct Contact

Table 4B - Summary of Analytical PCB Soil Results - 2015 SRI Addendum

BASF
180 Mill Street
Cranston, RI

Sample ID			M40	M40	M40	M60	M60	M60	M60	M80	M80
Sample Code			N	N	N	N	N	N	N	N	N
Sample Date			1/8/2014	1/8/2014	1/8/2014	7/1/2013	7/1/2013	7/1/2013	7/1/2013	7/1/2013	7/1/2013
Sample Depth			1 - 2 ft	2 - 4 ft	4 - 6 ft	0 - 0.5 ft	1 - 2 ft	2 - 4 ft	4 - 6 ft	0 - 0.5 ft	1 - 2 ft
Parameter	I/C DEC	Units									
AROCLOR-1016	N/A	mg/kg	< 2.87 U	< 2.80 U	< 2.91 U	< 0.0538 U	< 1.12 U	< 2.85 U	< 3.15 U	< 0.0537 U	< 0.0537 U
AROCLOR-1221	N/A	mg/kg	< 2.87 U	< 2.80 U	< 2.91 U	< 0.0538 U	< 1.12 U	< 2.85 U	< 3.15 U	< 0.0537 U	< 0.0537 U
AROCLOR-1232	N/A	mg/kg	< 2.87 U	< 2.80 U	< 2.91 U	< 0.0538 U	< 1.12 U	< 2.85 U	< 3.15 U	< 0.0537 U	< 0.0537 U
AROCLOR-1242	N/A	mg/kg	< 2.87 U	< 2.80 U	< 2.91 U	< 0.0538 U	< 1.12 U	< 2.85 U	< 3.15 U	< 0.0537 U	< 0.0537 U
AROCLOR-1248	N/A	mg/kg	< 2.87 U	< 2.80 U	< 2.91 U	< 0.0538 U	< 1.12 U	< 2.85 U	< 3.15 U	< 0.0537 U	< 0.0537 U
AROCLOR-1254	N/A	mg/kg	40.1	26.0	32.5 D	3.09 D	17.8 D	45.7	62.6	< 0.0537 U	0.342
AROCLOR-1260	N/A	mg/kg	< 2.87 U	< 2.80 U	< 2.91 U	< 0.0538 U	< 1.12 U	< 2.85 U	< 3.15 U	< 0.0537 U	< 0.0537 U
AROCLOR-1262	N/A	mg/kg	< 2.87 U	< 2.80 U	< 2.91 U	< 0.0538 U	< 1.12 U	< 2.85 U	< 3.15 U	< 0.0537 U	< 0.0537 U
AROCLOR-1268	N/A	mg/kg	< 2.87 U	< 2.80 U	< 2.91 U	< 0.0538 U	< 1.12 U	< 2.85 U	< 3.15 U	< 0.0537 U	< 0.0537 U
Total PCB Aroclors	10	mg/kg	40.1	26.0	32.5	3.09	17.8	45.7	62.6	< 0.0537 U	0.342

Notes

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Industrial/Commercial Direct Contact

Table 4B - Summary of Analytical PCB Soil Results - 2015 SRI Addendum

BASF
180 Mill Street
Cranston, RI

Sample ID			M80	MM00	MM00	MM20	N0	N20	N20	N40	N40
Sample Code			N	N	N	N	N	N	N	FD	N
Sample Date			7/1/2013	6/24/2013	6/24/2013	6/24/2013	1/8/2014	7/1/2013	7/1/2013	7/1/2013	7/1/2013
Sample Depth			2 - 4 ft	0 - 0.5 ft	1 - 2 ft	0 - 0.5 ft		0 - 0.5 ft	1 - 2 ft	0 - 0.5 ft	0 - 0.5 ft
Parameter	I/C DEC	Units									
AROCLOR-1016	N/A	mg/kg	< 0.0552 U	< 0.0532 U	< 0.0508 U	< 0.0546 U	< 0.0538 U	< 0.0505 U	< 0.0527 U	< 0.0528 U	< 0.0543 U
AROCLOR-1221	N/A	mg/kg	< 0.0552 U	< 0.0532 U	< 0.0508 U	< 0.0546 U	< 0.0538 U	< 0.0505 U	< 0.0527 U	< 0.0528 U	< 0.0543 U
AROCLOR-1232	N/A	mg/kg	< 0.0552 U	< 0.0532 U	< 0.0508 U	< 0.0546 U	< 0.0538 U	< 0.0505 U	< 0.0527 U	< 0.0528 U	< 0.0543 U
AROCLOR-1242	N/A	mg/kg	< 0.0552 U	< 0.0532 U	< 0.0508 U	< 0.0546 U	< 0.0538 U	< 0.0505 U	< 0.0527 U	< 0.0528 U	< 0.0543 U
AROCLOR-1248	N/A	mg/kg	< 0.0552 U	< 0.0532 U	< 0.0508 U	< 0.0546 U	< 0.0538 U	< 0.0505 U	< 0.0527 U	< 0.0528 U	< 0.0543 U
AROCLOR-1254	N/A	mg/kg	0.369	1.96 D	0.562	0.0776	0.0992	0.0839	< 0.0527 U	4.63 D	4.98 D
AROCLOR-1260	N/A	mg/kg	< 0.0552 U	< 0.0532 U	< 0.0508 U	< 0.0546 U	< 0.0538 U	< 0.0505 U	< 0.0527 U	< 0.0528 U	< 0.0543 U
AROCLOR-1262	N/A	mg/kg	< 0.0552 U	< 0.0532 U	< 0.0508 U	< 0.0546 U	< 0.0538 U	< 0.0505 U	< 0.0527 U	< 0.0528 U	< 0.0543 U
AROCLOR-1268	N/A	mg/kg	< 0.0552 U	< 0.0532 U	< 0.0508 U	< 0.0546 U	< 0.0538 U	< 0.0505 U	< 0.0527 U	< 0.0528 U	< 0.0543 U
Total PCB Aroclors	10	mg/kg	0.369	1.96	0.562	0.0776	0.0992	0.0839	< 0.0527 U	4.63	4.98

Notes

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Industrial/Commercial Direct Contact

Table 4B - Summary of Analytical PCB Soil Results - 2015 SRI Addendum

BASF
180 Mill Street
Cranston, RI

Sample ID			N40	N40	N40	N40	N60	N60	N60	N60	N80
Sample Code			FD	N	N	N	N	N	N	N	N
Sample Date			7/1/2013	7/1/2013	7/1/2013	7/1/2013	7/1/2013	7/1/2013	7/1/2013	7/1/2013	7/1/2013
Sample Depth			1 - 2 ft	1 - 2 ft	2 - 4 ft	4 - 6 ft	0 - 0.5 ft	1 - 2 ft	2 - 4 ft	4 - 6 ft	0 - 0.5 ft
Parameter	I/C DEC	Units									
AROCLOR-1016	N/A	mg/kg	< 0.0526 U	< 0.0525 U	< 0.0518 U	< 0.0570 U	< 0.0629 U	< 0.0585 U	< 0.0548 U	< 0.0523 U	< 0.0527 U
AROCLOR-1221	N/A	mg/kg	< 0.0526 U	< 0.0525 U	< 0.0518 U	< 0.0570 U	< 0.0629 U	< 0.0585 U	< 0.0548 U	< 0.0523 U	< 0.0527 U
AROCLOR-1232	N/A	mg/kg	< 0.0526 U	< 0.0525 U	< 0.0518 U	< 0.0570 U	< 0.0629 U	< 0.0585 U	< 0.0548 U	< 0.0523 U	< 0.0527 U
AROCLOR-1242	N/A	mg/kg	< 0.0526 U	< 0.0525 U	< 0.0518 U	< 0.0570 U	< 0.0629 U	< 0.0585 U	< 0.0548 U	< 0.0523 U	< 0.0527 U
AROCLOR-1248	N/A	mg/kg	< 0.0526 U	< 0.0525 U	< 0.0518 U	< 0.0570 U	< 0.0629 U	< 0.0585 U	< 0.0548 U	< 0.0523 U	< 0.0527 U
AROCLOR-1254	N/A	mg/kg	2.11	1.79 D	0.115	0.524	< 0.0629 U	8.90 D	3.50	0.407	0.132
AROCLOR-1260	N/A	mg/kg	< 0.0526 U	< 0.0525 U	< 0.0518 U	< 0.0570 U	< 0.0629 U	< 0.0585 U	< 0.0548 U	< 0.0523 U	< 0.0527 U
AROCLOR-1262	N/A	mg/kg	< 0.0526 U	< 0.0525 U	< 0.0518 U	< 0.0570 U	< 0.0629 U	< 0.0585 U	< 0.0548 U	< 0.0523 U	< 0.0527 U
AROCLOR-1268	N/A	mg/kg	< 0.0526 U	< 0.0525 U	< 0.0518 U	< 0.0570 U	< 0.0629 U	< 0.0585 U	< 0.0548 U	< 0.0523 U	< 0.0527 U
Total PCB Aroclors	10	mg/kg	2.11	1.79	0.115	0.524	< 0.0629 U	8.90	3.50	0.407	0.132

Notes

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Industrial/Commercial Direct Contact

Table 4B - Summary of Analytical PCB Soil Results - 2015 SRI Addendum

BASF
180 Mill Street
Cranston, RI

Sample ID	N80	N80	N80	NN00	NN20	O0	O0	O0	O0
Sample Code	N	N	N	N	N	N	N	N	N
Sample Date	7/1/2013	7/1/2013	7/1/2013	6/24/2013	6/24/2013	7/1/2013	7/1/2013	7/1/2013	7/1/2013
Sample Depth	1 - 2 ft	2 - 4 ft	4 - 6 ft	0 - 0.5 ft	0 - 0.5 ft	0 - 0.5 ft	1 - 2 ft	2 - 4 ft	4 - 6 ft
Parameter	I/C DEC	Units							
AROCLOR-1016	N/A	mg/kg	< 0.0540 U	< 0.0554 U	< 0.0556 U	< 0.0531 U	< 0.0511 U	< 0.0512 U	< 0.0538 U
AROCLOR-1221	N/A	mg/kg	< 0.0540 U	< 0.0554 U	< 0.0556 U	< 0.0531 U	< 0.0511 U	< 0.0512 U	< 0.0538 U
AROCLOR-1232	N/A	mg/kg	< 0.0540 U	< 0.0554 U	< 0.0556 U	< 0.0531 U	< 0.0511 U	< 0.0512 U	< 0.0538 U
AROCLOR-1242	N/A	mg/kg	< 0.0540 U	< 0.0554 U	< 0.0556 U	< 0.0531 U	< 0.0511 U	< 0.0512 U	< 0.0538 U
AROCLOR-1248	N/A	mg/kg	< 0.0540 U	0.332	0.169	< 0.0531 U	< 0.0511 U	< 0.0512 U	< 0.0538 U
AROCLOR-1254	N/A	mg/kg	0.402	0.206	0.524	0.853	0.498	0.124	3.84 D
AROCLOR-1260	N/A	mg/kg	< 0.0540 U	< 0.0554 U	< 0.0556 U	< 0.0531 U	< 0.0511 U	< 0.0512 U	< 0.0538 U
AROCLOR-1262	N/A	mg/kg	< 0.0540 U	< 0.0554 U	< 0.0556 U	< 0.0531 U	< 0.0511 U	< 0.0512 U	< 0.0538 U
AROCLOR-1268	N/A	mg/kg	< 0.0540 U	< 0.0554 U	< 0.0556 U	< 0.0531 U	< 0.0511 U	< 0.0512 U	< 0.0538 U
Total PCB Aroclors	10	mg/kg	0.402	0.538	0.693	0.853	0.498	0.124	3.84

Notes

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Industrial/Commercial Direct Contact

Table 4B - Summary of Analytical PCB Soil Results - 2015 SRI Addendum

BASF
180 Mill Street
Cranston, RI

	Sample ID	O20	O20	O40	O40	O60	O60	O60	O60	O80	
	Sample Code	N	N	N	N	N	N	N	N	N	
	Sample Date	7/1/2013	7/1/2013	7/1/2013	7/1/2013	7/1/2013	7/1/2013	7/1/2013	7/1/2013	1/16/2014	
	Sample Depth	0 - 0.5 ft	1 - 2 ft	0 - 0.5 ft	1 - 2 ft	0 - 0.5 ft	1 - 2 ft	2 - 4 ft	4 - 6 ft	0 - 0.5 ft	
Parameter	I/C DEC	Units									
AROCLOR-1016	N/A	mg/kg	< 0.0503 U	< 1.07 U	< 0.0542 U	< 0.0611 U	< 0.0569 U	< 0.0501 U	< 0.0528 U	< 0.0555 U	< 0.0608 U
AROCLOR-1221	N/A	mg/kg	< 0.0503 U	< 1.07 U	< 0.0542 U	< 0.0611 U	< 0.0569 U	< 0.0501 U	< 0.0528 U	< 0.0555 U	< 0.0608 U
AROCLOR-1232	N/A	mg/kg	< 0.0503 U	< 1.07 U	< 0.0542 U	< 0.0611 U	< 0.0569 U	< 0.0501 U	< 0.0528 U	< 0.0555 U	< 0.0608 U
AROCLOR-1242	N/A	mg/kg	< 0.0503 U	< 1.07 U	< 0.0542 U	< 0.0611 U	< 0.0569 U	< 0.0501 U	< 0.0528 U	< 0.0555 U	< 0.0608 U
AROCLOR-1248	N/A	mg/kg	< 0.0503 U	< 1.07 U	< 0.0542 U	< 0.0611 U	< 0.0569 U	< 0.0501 U	< 0.0528 U	< 0.0555 U	< 0.0608 U
AROCLOR-1254	N/A	mg/kg	< 0.0503 U	14.2	< 0.0542 U	0.306	0.169	2.44	0.301	0.900	2.29
AROCLOR-1260	N/A	mg/kg	< 0.0503 U	< 1.07 U	< 0.0542 U	< 0.0611 U	< 0.0569 U	< 0.0501 U	< 0.0528 U	< 0.0555 U	< 0.0608 U
AROCLOR-1262	N/A	mg/kg	< 0.0503 U	< 1.07 U	< 0.0542 U	< 0.0611 U	< 0.0569 U	< 0.0501 U	< 0.0528 U	< 0.0555 U	< 0.0608 U
AROCLOR-1268	N/A	mg/kg	< 0.0503 U	< 1.07 U	< 0.0542 U	< 0.0611 U	< 0.0569 U	< 0.0501 U	< 0.0528 U	< 0.0555 U	< 0.0608 U
Total PCB Aroclors	10	mg/kg	< 0.0503 U	14.2	< 0.0542 U	0.306	0.169	2.44	0.301	0.900	2.29

Notes

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Industrial/Commercial Direct Contact

Table 4B - Summary of Analytical PCB Soil Results - 2015 SRI Addendum

BASF
180 Mill Street
Cranston, RI

Sample ID			O80	0000	P0	P0	P0	P0	P20	P20	P20
Sample Code			N	N	N	N	N	N	N	N	N
Sample Date			1/16/2014	6/24/2013	7/1/2013	7/1/2013	7/1/2013	7/1/2013	7/1/2013	7/1/2013	7/1/2013
Sample Depth			1 - 2 ft	0 - 0.5 ft	0 - 0.5 ft	1 - 2 ft	2 - 4 ft	4 - 6 ft	0 - 0.5 ft	1 - 2 ft	2 - 4 ft
Parameter	I/C DEC	Units									
AROCLOR-1016	N/A	mg/kg	< 0.0566 U	< 0.0524 U	< 0.0515 U	< 0.0513 U	< 0.0529 U	< 0.0579 U	< 0.0523 U	< 2.61 U	< 0.0587 U
AROCLOR-1221	N/A	mg/kg	< 0.0566 U	< 0.0524 U	< 0.0515 U	< 0.0513 U	< 0.0529 U	< 0.0579 U	< 0.0523 U	< 2.61 U	< 0.0587 U
AROCLOR-1232	N/A	mg/kg	< 0.0566 U	< 0.0524 U	< 0.0515 U	< 0.0513 U	< 0.0529 U	< 0.0579 U	< 0.0523 U	< 2.61 U	< 0.0587 U
AROCLOR-1242	N/A	mg/kg	< 0.0566 U	< 0.0524 U	< 0.0515 U	< 0.0513 U	< 0.0529 U	< 0.0579 U	< 0.0523 U	< 2.61 U	< 0.0587 U
AROCLOR-1248	N/A	mg/kg	< 0.0566 U	< 0.0524 U	< 0.0515 U	< 0.0513 U	< 0.0529 U	< 0.0579 U	< 0.0523 U	< 2.61 U	< 0.0587 U
AROCLOR-1254	N/A	mg/kg	0.678	0.284	6.05	2.03	0.442	< 0.0579 U	0.274	19.6	4.31
AROCLOR-1260	N/A	mg/kg	< 0.0566 U	< 0.0524 U	< 0.0515 U	< 0.0513 U	< 0.0529 U	< 0.0579 U	< 0.0523 U	< 2.61 U	< 0.0587 U
AROCLOR-1262	N/A	mg/kg	< 0.0566 U	< 0.0524 U	< 0.0515 U	< 0.0513 U	< 0.0529 U	0.802	< 0.0523 U	< 2.61 U	< 0.0587 U
AROCLOR-1268	N/A	mg/kg	< 0.0566 U	< 0.0524 U	< 0.0515 U	< 0.0513 U	< 0.0529 U	< 0.0579 U	< 0.0523 U	< 2.61 U	< 0.0587 U
Total PCB Aroclors	10	mg/kg	0.678	0.284	6.05	2.03	0.442	0.802	0.274	19.6	4.31

Notes

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I/C DEC = Rhode Island Department of Environmental Management

Industrial/Commercial Direct Contact

Table 4B - Summary of Analytical PCB Soil Results - 2015 SRI Addendum

BASF
180 Mill Street
Cranston, RI

Sample ID			P20	P40	P40	P60	P60	P60	P60	P80	PP00
Sample Code			N	N	N	N	N	N	N	N	N
Sample Date			7/1/2013	7/1/2013	7/1/2013	7/1/2013	7/1/2013	7/1/2013	7/1/2013	1/16/2014	6/25/2013
Sample Depth			4 - 5.5 ft	1 - 2 ft	2 - 4 ft	0 - 0.5 ft	1 - 2 ft	2 - 4 ft	4 - 6 ft	0 - 0.5 ft	0 - 0.5 ft
Parameter	I/C DEC	Units									
AROCLOR-1016	N/A	mg/kg	< 0.0572 U	< 0.0534 U	< 1.11 U	< 0.0559 U	< 0.0531 U	< 0.0526 U	< 0.0561 U	< 0.0543 U	< 0.0519 U
AROCLOR-1221	N/A	mg/kg	< 0.0572 U	< 0.0534 U	< 1.11 U	< 0.0559 U	< 0.0531 U	< 0.0526 U	< 0.0561 U	< 0.0543 U	< 0.0519 U
AROCLOR-1232	N/A	mg/kg	< 0.0572 U	< 0.0534 U	< 1.11 U	< 0.0559 U	< 0.0531 U	< 0.0526 U	< 0.0561 U	< 0.0543 U	< 0.0519 U
AROCLOR-1242	N/A	mg/kg	< 0.0572 U	< 0.0534 U	< 1.11 U	< 0.0559 U	< 0.0531 U	< 0.0526 U	< 0.0561 U	< 0.0543 U	< 0.0519 U
AROCLOR-1248	N/A	mg/kg	< 0.0572 U	< 0.0534 U	< 1.11 U	< 0.0559 U	< 0.0531 U	< 0.0526 U	< 0.0561 U	< 0.0543 U	< 0.0519 U
AROCLOR-1254	N/A	mg/kg	2.42	< 0.0534 U	16.0	1.21	4.06	0.912	4.29	< 0.0543 U	< 0.0519 U
AROCLOR-1260	N/A	mg/kg	< 0.0572 U	< 0.0534 U	< 1.11 U	< 0.0559 U	< 0.0531 U	< 0.0526 U	< 0.0561 U	< 0.0543 U	< 0.0519 U
AROCLOR-1262	N/A	mg/kg	< 0.0572 U	< 0.0534 U	< 1.11 U	< 0.0559 U	< 0.0531 U	< 0.0526 U	< 0.0561 U	< 0.0543 U	< 0.0519 U
AROCLOR-1268	N/A	mg/kg	< 0.0572 U	< 0.0534 U	< 1.11 U	< 0.0559 U	< 0.0531 U	< 0.0526 U	< 0.0561 U	< 0.0543 U	< 0.0519 U
Total PCB Aroclors	10	mg/kg	2.42	< 0.0534 U	16.0	1.21	4.06	0.912	4.29	< 0.0543 U	< 0.0519 U

Notes

< indicates not detected above detection limits

U = not detected above detection limits

D = Dilution

I/C DEC = Rhode Island Department of Environmental Management

Industrial/Commercial Direct Contact

Table 4B - Summary of Analytical PCB Soil Results - 2015 SRI Addendum

BASF
180 Mill Street
Cranston, RI

Sample ID		Q0	Q0	Q0	Q20	Q20	Q20	Q60	Q60
Sample Code		N	N	N	N	N	N	N	N
Sample Date		7/1/2013	7/1/2013	7/1/2013	7/1/2013	7/1/2013	7/1/2013	7/1/2013	7/1/2013
Sample Depth		0 - 0.5 ft	1 - 2 ft	2 - 4 ft	0 - 0.5 ft	1 - 2 ft	2 - 4 ft	4 - 6 ft	0 - 0.5 ft
Parameter	I/C DEC	Units							
AROCLOR-1016	N/A	mg/kg	< 1.07 U	< 2.96 U	< 2.82 U	< 0.0519 U	< 0.0529 U	< 0.0525 U	< 0.0542 U
AROCLOR-1221	N/A	mg/kg	< 1.07 U	< 2.96 U	< 2.82 U	< 0.0519 U	< 0.0529 U	< 0.0525 U	< 0.0542 U
AROCLOR-1232	N/A	mg/kg	< 1.07 U	< 2.96 U	< 2.82 U	< 0.0519 U	< 0.0529 U	< 0.0525 U	< 0.0542 U
AROCLOR-1242	N/A	mg/kg	< 1.07 U	< 2.96 U	< 2.82 U	< 0.0519 U	< 0.0529 U	< 0.0525 U	< 0.0542 U
AROCLOR-1248	N/A	mg/kg	< 1.07 U	< 2.96 U	< 2.82 U	< 0.0519 U	< 0.0529 U	< 0.0525 U	< 0.0542 U
AROCLOR-1254	N/A	mg/kg	11.2	49.2	19.8	0.125	3.48	0.809	0.209
AROCLOR-1260	N/A	mg/kg	< 1.07 U	< 2.96 U	< 2.82 U	< 0.0519 U	< 0.0529 U	< 0.0525 U	< 0.0542 U
AROCLOR-1262	N/A	mg/kg	< 1.07 U	< 2.96 U	< 2.82 U	< 0.0519 U	< 0.0529 U	< 0.0525 U	< 0.0542 U
AROCLOR-1268	N/A	mg/kg	< 1.07 U	< 2.96 U	< 2.82 U	< 0.0519 U	< 0.0529 U	< 0.0525 U	< 0.0542 U
Total PCB Aroclors	10	mg/kg	11.2	49.2	19.8	0.125	3.48	0.809	0.209

Notes

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Table 4B - Summary of Analytical PCB Soil Results - 2015 SRI Addendum

BASF
180 Mill Street
Cranston, RI

Sample ID	Q80	Q80	QQ00	QQ20	R60	R60	R60	R60	RR00
Sample Code	N	N	N	FD	N	N	N	N	N
Sample Date	1/16/2014	1/16/2014	6/25/2013	6/25/2013	1/16/2014	1/16/2014	1/16/2014	1/16/2014	6/25/2013
Sample Depth	0 - 0.5 ft	1 - 2 ft	0 - 0.5 ft	0 - 0.5 ft	0 - 0.5 ft	1 - 2 ft	2 - 4 ft	4 - 6 ft	0 - 0.5 ft
Parameter	I/C DEC	Units							
AROCLOR-1016	N/A	mg/kg	< 0.0639 U	< 0.0561 U	< 0.0522 U	< 0.0530 U	< 0.0652 U	< 0.0552 U	< 0.0575 U
AROCLOR-1221	N/A	mg/kg	< 0.0639 U	< 0.0561 U	< 0.0522 U	< 0.0530 U	< 0.0652 U	< 0.0552 U	< 0.0575 U
AROCLOR-1232	N/A	mg/kg	< 0.0639 U	< 0.0561 U	< 0.0522 U	< 0.0530 U	< 0.0652 U	< 0.0552 U	< 0.0575 U
AROCLOR-1242	N/A	mg/kg	< 0.0639 U	< 0.0561 U	< 0.0522 U	< 0.0530 U	< 0.0652 U	< 0.0552 U	< 0.0575 U
AROCLOR-1248	N/A	mg/kg	< 0.0639 U	< 0.0561 U	< 0.0522 U	< 0.0530 U	< 0.0652 U	< 0.0552 U	< 0.0575 U
AROCLOR-1254	N/A	mg/kg	0.315	< 0.0561 U	0.0685	0.0627	6.85	2.77	0.129
AROCLOR-1260	N/A	mg/kg	< 0.0639 U	< 0.0561 U	< 0.0522 U	< 0.0530 U	< 0.0652 U	< 0.0552 U	< 0.0575 U
AROCLOR-1262	N/A	mg/kg	< 0.0639 U	< 0.0561 U	< 0.0522 U	< 0.0530 U	< 0.0652 U	< 0.0552 U	< 0.0575 U
AROCLOR-1268	N/A	mg/kg	< 0.0639 U	< 0.0561 U	< 0.0522 U	< 0.0530 U	< 0.0652 U	< 0.0552 U	< 0.0575 U
Total PCB Aroclors	10	mg/kg	0.315	< 0.0561 U	0.0685	0.0627	6.85	2.77	0.129
									0.0630
									0.461

Notes

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Industrial/Commercial Direct Contact